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PERSONAL.

Mr. C. P. Cully has been appointed Assistant City Engineer of Indianapolis, Ind.

Mr. S. H. Watson has resigned as a member of the Mount Vernon, Ill., water and light commission.

Mr. Ernest W. Curtis has accepted a position as Civil Engineer in the employ of the city of Jacksonville, Fla.

Mr. L. H. Davis has been elected President of the West Nashville Oil, Gas & Water Co., succeeding Mr. C. Flisher, resigned.

Mr. George Duncan Snyder, City Engineer of Williamsport, Pa., and Miss Miriam Elden Harrison were married on Nov. 12.

Mr. J. W. Davis has been appointed Engineer of Maintenance of Way of the Erie R. R., succeeding Mr. George Sergeant, Jr.

Mr. Wm. Irvine has been appointed General Manager of the Chippewa River & Menominee R. R., succeeding Mr. H. G. Chichester

Mr. R. G. Cheney has resigned as Superintendent of the water-works of St. Johnsbury, Vt., and is succeeded by Mr. Edgar S. Buswell.

Capt. William H. Jacques, of Little Boars, has been elected President of the Hampton Water-Works Co., N. H., succeeding Mr. S. Wesley Dearborn.

Mr. G. W. Bartlett has been appointed General Superintendent of the Quebec Southern and the South Shore roads, with headquarters at Sorel, Que.

Mr. L. A. Washington has been appointed Chief Engineer of the Gulf & Ship Island R. R., with office at Gulfport, Miss., in place of Mr. J. B. Hatch.

Mr. C. B. Hobart, C. E., has been detailed by the Board of Public Works of Porto Rico to take charge of the construction of the Humacao-Gurabo road.

Mr. A. M. Mozier, General Superintendent of the Ohio Division of the Erie R. R., has been appointed General Agent, with headquarters at Chicago, Ill.

Mr. Philip J. Markmann, of Chicago, has been appointed Chief Building Engineer of the Louisiana Purchase Exposition to be held at St. Louis, Mo., in 1903.

Mr. Thomas Gardiner, of Toronto, Ont., has been appointed Manager of the St. Catherines Gas Works at St. Catherines, Ont., succeeding Mr. G. A. Pearson.

Mr. John Rice Chander, of Menlo Park, Cal., Civil Engineer and author, has been commissioned to represent the St. Louis World's Fair in the Central American Republics.

Mr. Hardy Croom, formerly with the City & Suburban Ry. Co., Savannah, Ga., has been appointed Assistant Superintendent of the Jacksonville Ry., Jacksonville, Fla.

Mr. Kirk C. Gardner, of the Lloyd Booth plant of the United Engineering & Foundry Co., Youngstown, O., has been appointed head of the Estimating Department of the company at Pittsburg, Pa.

Mr. Guillermo Dominico, Civil Engineer and General Inspector of the Argentine railroads, Buenos Ayres, has arrived in St. Louis, Mo., on a tour of inspection of the railway systems in this country.

Mr. Harry W. Klaussman has been appointed County Surveyor of Marion county, Ind., with headquarters at Indianapolis, succeeding Mr. James B. Nelson, recently appointed City Engineer of Indianapolis.

Mr. R. L. Montague has been appointed General Manager of the Georgetown & Western R. R., with headquarters at Georgetown, S. C., succeeding Mr. E. B. Freeman, who has been elected Vice-President.

Mr. E. S. Williams, formerly employed as Civil Engineer by the Edison Portland Cement Co., during the construction of their plant, has accepted a position with Mr. Charles W. Leavitt, Jr., Assoc. M. Am. Soc. C. E., New York city.

Mr. William Lewis, General Superintendent of the steel plant and blast furnaces of the National Steel Co. at Newcastle, Pa., has accepted the position of Superintendent of the Sharon Steel Co., succeeding Mr. Nevin McConnell, resigned.

Mr. Rene Negelmackers, of Paris, Assistant Manager of the European Sleeping Car Co., is now in this country to contract for the building of sleeping cars to be used on the Trans-Siberian Railway, running from Moscow, Russia, to Port Arthur, Siberia. He was recently in Washington, D. C.

Mr. J. G. Metcalfe, formerly General Manager of the Denver & Rio Grande Ry., will be appointed to a similar position on the Evansville & Terre Haute R. R. Mr. Metcalfe was General Manager of the Louisville & Nashville Ry. for a number of years prior to going with the Denver & Rio Grande.

Mr. E. Ryder, late Superintendent of the Washington Division of the Southern Ry., has been appointed Superintendent of the Western Division of the Chicago & Alton R. R., with headquarters at Kansas City, Mo., to succeed Mr. W. H. Starr, appointed Assistant Chief Engineer, with headquarters at Chicago.

OBITUARY.

Mr. Rudolph Sturnegk, Civil Engineer, formerly of Lexington, Neb., died in the St. Bernard's Hospital at Council Bluffs, Ia., on Nov. 8.

Mr. M. H. Redding, Assistant Superintendent of the Western Union Telegraph Co., died at his home in Brooklyn, N. Y., on Nov. 17. He was born in Ireland in 1842.

Mr. William S. Weir, late President of the Weir Plow Co., of Monmouth, Ill., is dead. He was 66 years of age. The first straddle row cultivator was invented by Mr. Weir and manufactured for some years afterward.

Mr. James B. Henney, formerly Superintendent of Motive Power of the Chicago & Alton Ry. and later Superintendent of Motive Power of the New York-New England R. R., died at his home in Manchester, N. H., Nov. 3, aged 63 years.

Mr. Amos Green, formerly Vice-President and General Manager of the Quincy, Omaha & Kansas City R. R., died Oct. 25. Mr. Green was born in Wrightsville, Pa., in 1815, and was made Vice-President and General Manager of the Quincy, Omaha & Kansas City R. R. in 1888.

Mr. Owen Nawn, pioneer contractor of Boston, Mass., died at his home in Jamaica Plain on Nov. 11, at the age of 85 years. He came to this country from Ireland when 25 years of age, and established a contracting business in Boston in 1851. He built most of the streets in Roxbury and Jamaica Plain, and also the double track railway running from Mansfield to Pawtucket.

Mr. Sherman L. Raymond, Civil Engineer, died in New Orleans, La., on Nov. 16, aged 49 years. He was a graduate of the University of Virginia, and was for several years Assistant United States Engineer in charge of the construction of jetties at Saline Pass, La., a member of the Louisiana State Board of Engineers, and President of the Louisiana Engineers' Societies. Of late he has been Engineer of the New Orleans Drainage Commission.

ENGINEERING SOCIETIES.

COMING MEETINGS.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.
Dec. 3 to 6. Annual convention, New York city. Secy., F. R. Hutton, New York, N. Y.

AMERICAN ECONOMIC ASSOCIATION.
Dec. 27 to 30. Fourteenth annual convention at Washington, D. C. Acting-Secy., Frank A. Fetter, Cornell University, Ithaca, N. Y.

MICHIGAN ENGINEERING SOCIETY.
Jan. 7, 8 and 9, 1902. Annual meeting, Grand Rapids, Mich. Secy., F. Hodgman, Climax, Mich.

AMERICAN SOCIETY OF CIVIL ENGINEERS.
Jan. 15, 1902. Annual meeting at New York city.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—The following have been nominated by the nominating committee of the society to serve as officers for the ensuing year: President, Edwin Reynolds, E. P. Allis Co., Milwaukee, Wis.; Vice-Presidents, Mr. Wilfred Lewis, Wm. Sellers & Co., Philadelphia, Pa.; Mr. M. E. Cooley, Prof. of Mech. Eng., University of Michigan, Ann Arbor, Mich.; Mr. M. P. Higgins, Norton Emery Wheel Co., Worcester, Mass.; Treasurer, Mr. Wm. H. Wiley, John Wiley & Sons, New York, N. Y.; Managers, Mr. R. S. Moore, Risdon Iron Works, San Francisco, Cal.; Mr. H. A. Gillis, Richmond Locomotive Works, Richmond, Va.; Mr. Chas. H. Corbett, Continental Iron Works, Brooklyn, N. Y. Ballots close on the first day of the annual meeting, Dec. 3, 1901.

NEW ENGLAND WATER-WORKS ASSOCIATION.—The first monthly meeting of the season was held at Young's Hotel, Nov. 13. Mr. R. C. P. Coggeshall gave a brief oral description of the water-tank failure at Fairhaven, Mass. A paper on "The Pollution of Streams by Manufactural Wastes, and Methods of Prevention," was read by Mr. H. W. Clark, Chemist of the Massachusetts State Board of Health. A brief abstract of the paper, with some of the remarks thereon made by Prof. L. P. Kinnicutt, of Worcester, is given elsewhere in this issue. Mr. Chas. P. Moat, Chemist of the Vermont State Laboratory of Hygiene, read a paper on "The Water Supplies of the State of Vermont." This paper consisted of a brief description, with particular reference to quality, of the sources of water supply of all the cities and villages of the state. It was accompanied by many analyses. The paper and analyses will form a valuable record on its appearance in the Journal of the association.

TRADE PUBLICATIONS.

(The standard sizes for pamphlets and trade catalogues recommended by all the principal engineering societies of the United States are: 3½ x 6 ins., 6 x 9 ins., and 9 x 12 ins.)

STEAM SPECIALTIES.—Acton, 118 John St., Brooklyn, N. Y. Paper; 3½ x 6½ ins.; pp. 32; illustrated.

Acton patent reducing valves, relief and back pressure valves, oil separators, mills, etc., are illustrated in this booklet.

MINING MACHINERY.—Sturtevant Mill Co., Boston, Mass. Paper; 6 x 9 ins.; pp. 40; illustrated.

This catalogue advertises rock reducing machinery, such as rock crushers, centrifugal rolls, screens, etc., for milling rock of all kinds.

PNEUMATIC TOOLS.—Cleveland Pneumatic Tool Co., Cleveland, O. Paper; 9 x 6 ins.; pp. 48; illustrated.

Catalogue D goes over the field of pneumatic tools made by this company. Nothing new is brought out, but illustrations and text are good.

BLOW-OFF VALVES.—Walworth Mfg. Co., Boston, Mass. Paper; 5½ x 7½ ins.; pp. 8; illustrated.

A new form of boiler blow-off valve, Kjerner's patent, is introduced by this pamphlet. The makers claim that it will always be tight and never cut or stick.

PHOTOGRAPHIC CAMERAS AND SUPPLIES.—Central Camera Co., 31 Adams St., Chicago. Paper; 5½ x 8¼ ins.; pp. 96; illustrated.

This is a price list and catalogue of the almost innumerable appliances and materials used in photographic work, including also magic lantern equipments.

ELECTRIC MOTORS.—Jenney Electric Mfg. Co., Indianapolis, Ind. Paper; 7 x 10 ins.; pp. 4; illustrated.

The Jenney Linotype motor has, as the name denotes, been designed especially for driving linotype machines. They are wound for either 110 or 220 volt direct current, as required.

SMALL TOOLS.—Pratt & Whitney Co., Hartford, Conn. Small Tool Department. Paper; 5 x 7¼ ins.; pp. 152; illustrated.

This is a selected list of taps and dies, milling cutters, reamers, punches and dies, standard thread and measuring gages, M. C. B. special gages, etc., in great variety, and attractively illustrated.

COMBUSTION APPARATUS.—Baker & Co., Newark, N. J. Paper; 3½ x 6 ins.; pp. 12; illustrated.

The Tucker combustion apparatus is for determining with maximum accuracy the total ash and the volatile ingredients of any organic matter. The pamphlet describes it and gives directions for use.

VALVE GEAR.—M. J. Ulrich, 18 Brown Ave., Holyoke, Mass. Paper; 6 x 3¼ ins.; pp. 8; illustrated.

This pamphlet describes a new valve gear for direct-acting duplex steam pumps, just patented. A cut-off valve is mounted on the main valve and actuated by the lever of that side of the pump. The cut-off is adjustable for all ratios.

PUMP VALVES.—Power Specialty Co., 126 Liberty St., New York, N. Y. Paper; 3½ x 6 ins.

In connection with their high-duty hydraulic rams this company has developed a rubber disk pump valve made of rubber seat rings vulcanized on a steel center. The cheapness and durability of this "Armord" valve is emphasized.

COAL HANDLING MACHINERY.—C. W. Hunt Co., 45 Broadway, New York, N. Y. Paper; 6½ x 9 ins.; pp. 8; illustrated.

This pamphlet, No. 0111 of this company's publications, is devoted to an illustrated description of the methods of handling coal on the Hunt system at the Lincoln power station of the Boston Elevated Ry.

COAL CUTTING MACHINE.—Cat. B., Goodman Mfg. Co., Chicago, Ill. Paper; 9 x 7 ins.; pp. 8; illustrated.

The Goodman Electric Chain Breast Coal Cutter is the subject of this sheet. The machine is for the purpose of undercutting coal and a number of points are claimed for it over other machines of this class, such as cutting a level floor if desired, etc.

ELECTRICAL MACHINEY.—The Emerson Electric Co., St. Louis, Mo. Paper; 7 x 10 ins.; illustrated.

Bulletins 3031 and 3032 of this company treat of automatic starting induction motors for single-phase currents, the two bulletins covering sizes from 1-10 to ½ actual HP. An automatic device in the motor cuts out the starting coils when proper speed has been reached.

ROLLER BEARINGS.—Standard Roller Bearing Co., Philadelphia, Pa. Paper; 6 x 9 ins.; pp. 62; illustrated.

A variety of styles of roller and ball-bearings are shown, and their applications to actual use; a number of testimonials are included, and some comparative tests of roller bearings and common bearings are given.

HAND DRILL AND ELECTRIC HAMMER.—The Jackson Co., 2610 Blake St., Denver, Colo. Paper; 3½ x 6 ins.; pp. 6; 5 x 7¼ ins.; pp. 4; both illustrated.

The Victor rock drill is operated by a crank handle and delivers about 250 blows per minute. The Jackson portable electric hammer is intended for riveting, calking, carving, etc., and is driven by a motor of ⅛ to ½ HP.

ELECTRICAL APPARATUS. — General Electric Co., Schenectady, N. Y. Paper; 8 x 10½ ins., and 3½ x 6½ ins.

Bulletin No. 4264 shows switchboard for isolated continuous current plants, and instruments for use with them. Bulletin No. 4265 is a reprint from the Street Railway Journal on Service Capacity of Railway Motors. The smaller booklets are catalogues and price lists, 7550 on instruments, 7551 on fuse blocks and cut-outs, 7549 on trolleys, 5086 on arc lamp accessories.

BLUE PRINTING BY ELECTRIC LIGHT.—Eugene Dietzgen Co., 181 Monroe St., Chicago, and 119 W. 23d St., New York. Paper; 6 × 9½ ins.; pp. 4; illustrated.

The particular apparatus here described has a glass cylinder mounted on trunnions, so that it can be placed horizontally for applying or removing the drawings, and placed vertically to allow the arc lamp to be dropped within it.

FUEL ECONOMIZERS.—The Green Fuel Economizer Co., Matteawan, N. Y. Paper; 6 × 6 ins.; pp. 32; illustrated.

The economizers of this company consist of a set of tubes in which the feedwater is heated by the escaping flue gases. This pamphlet describes the purpose and construction of the apparatus, and gives a large number of views of installations and diagrams of tests.

GASOLINE MOTORS.—The Bridgeport Machine & Motor Co., Bridgeport, Conn. Paper; 5 × 7¼ ins.; pp. 20; illustrated.

The Bridgeport gasoline motor is a two-cycle engine built especially for launch use. It is reversible, is built either single or duplex, generates its explosive mixture only a few strokes in advance of its use, has an electric igniter adjustable for time of ignition, etc. Launches and fittings are also listed.

AUTOMATIC TELEPHONE.—The Clark Automatic Telephone Switchboard Co., Banigan Bldg., Providence, R. I. Paper; 6 × 9 ins.; pp. 24; illustrated.

Telephone installations arranged to accomplish the exchange work automatically have been on the market for a number of years. The Clark central station system, brought out here, is stated to have been in use for some time, and hence thoroughly tested. All accessory apparatus is also made by the company.

ELECTRIC MOTORS AND GENERATORS.—B. F. Sturtevant Co., Boston, Mass. Paper; 6½ × 9 ins.; pp. 49; illustrated.

These people are so well known through their blowing machinery that they find difficulty in getting the public to appreciate that they are large makers of motors, generators and complete generating sets. The present catalogue illustrates a full line of such machines in moderate sizes for every service; complete information as to details, dimensions, etc., is given.

SUPPLIES.—Manning, Maxwell & Moore, 85-89 Liberty St., New York, N. Y. Cloth; 9½ × 13 ins.; pp. 1006 + 50; profusely illustrated.

This ponderous volume is the 1902 catalogue of the firm. The term "supplies" used in the title includes nearly everything that anyone engaged in any field of mechanical engineering work can possibly require. The firm is the selling agent for a large number of manufacturers, covering a very wide range of work. The catalogue comes near being an encyclopedia of engineering appliances.

COMPRESSING MACHINERY.—The Laidlaw-Dunn-Gordon Co., Cincinnati, O. Paper; 6 × 8 ins.; pp. 120; illustrated.

This treats of Cincinnati air or gas compressors, and shows a great variety of styles and sizes. Scattered between the descriptions and illustrations of the machines are given discussions of various subjects of interest in connection with compressors, such as stage compression, intercoolers, mechanically moved air valves, etc. Air lifts, air hoists and receivers are also shown. Tables relating to steam and air are appended.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened	Work.	Place.	See Eng. News.
Nov. 21.	Channel (w.-w.),	Boston.	Oct. 31
	Advertised, Engineering News, Oct. 31.		
Nov. 21.	Aqueduct work,	Boston.	Oct. 31
	Advertised, Engineering News, Oct. 31.		
Nov. 21.	Light houses,	Mobile, Ala.	Oct. 24
	Advertised, Eng. News, Oct. 24 and 31.		
Nov. 21.	Channel and reservoir,	Boston, Mass.	Nov. 7
	Advertised, Eng. News, Nov. 7 and 14.		
Nov. 21.	Excavating,	New York, N. Y.	Nov. 7
Nov. 22.	Cement sidewalks,	Terre Haute, Ind.	Nov. 7
Nov. 22.	Sewer,	Winchester, Ind.	Nov. 14
Nov. 22.	Barracks,	Sullivan's Island, S. C.	Oct. 24
	Advertised, Eng. News, Oct. 24 to Nov. 21.		
Nov. 22.	**Courthouse,**	**Greenville, Ga.**	**Oct. 10**
Nov. 23.	Sewers,	Canton, O.	Nov. 14
Nov. 23.	Barracks,	Columbia, S. C.	Nov. 14
Nov. 23.	Gravel roads (8 miles),	Portland, Ind.	Nov. 14
Nov. 22.	Water-works,	Hendricks, Minn.	Nov. 21
Nov. 23.	Paving,	Green Bay, Wis.	Nov. 21
Nov. 23.	Paving,	Pitfsburg, Pa.	Nov. 21
Nov. 23.	Drains,	Sadorus, Ill.	Nov. 21
Nov. 23.	Boilers (3),	Washington, D.C.	Oct. 24
Nov. 23.	Grading,	Washington, D. C.	Nov. 7
	Advertised, Eng. News, Nov. 7.		
Nov. 23.	Improvement bonds,	San Juan, P. R.	Nov. 7
Nov. 23.	Heating system,	Philadelphia, Pa.	Nov. 7
Nov. 25.	Power station,	Gloversville, N. Y.	Nov. 7
	Advertised, Eng. News, Nov. 7 and 14.		
Nov. 25.	Bridge,	Maxtown, O.	Nov. 7
Nov. 25.	Tunnel,	Philadelphia, Pa.	Nov. 14
	Advertised, Engineering News, Nov. 14.		
Nov. 25.	Paving,	Joliet, Ill.	Nov. 21
Nov. 25.	Wiring school,	New York, N. Y.	Nov. 21
Nov. 25.	Jail,	Natchitoches, La.	Nov. 21
Nov. 25.	Paving,	Louisville, Ky.	Nov. 21
Nov. 26.	Sewage pmpg station, etc.,	Pittsfield, Mass.	Nov. 21
Nov. 26.	Paving, etc.,	Chicago, Ill.	Nov. 21
Nov. 26.	Water supply,	Grand Rapids, Mich.	Nov. 14
	Advertised, Engineering News, Nov. 14.		
Nov. 26.	Building materials,	Pawhuska, Okla. T.	Nov. 14
Nov. 26.	Sewer,	De Pere, Wis.	Oct. 31
Nov. 27.	Gas and electric fixtures,	Stockton, Cal.	Oct. 24
Nov. 27.	Cadets' quarters,	Annapolis, Md.	Oct. 24
	Advertised, Eng. News, Oct. 24 and 31.		
Nov. 27.	Plumbing, heating, etc.,	Montreal, Que.	Nov. 21
Nov. 27.	Observatory,	Ottawa, Ont.	Nov. 21
Nov. 27.	Moving fire-alarm conductors,	New York	Nov. 21
Nov. 28.	Sewer,	New Philadelphia, O.	Nov. 21
Nov. 28.	Bridge,	Manassas, Va.	Nov. 14
Nov. 29.	Heating, etc.,	Kansas City, Mo.	Nov. 14
Nov. 29.	Life saving station,	San Francisco, Cal.	Nov. 14
Nov. 29.	Sewers,	Glenville, O.	Nov. 21
Nov. 29.	Sewer,	Binghamton, N. Y.	Nov. 21
Nov. 30.	Gasoline lamps,	Milwaukee, Wis.	Nov. 21
Nov. 30.	Water-works engineer,	Matawan, N. J.	Nov. 21
	Advertised, Engineering News, Nov. 21.		
Nov. 30.	Court house,	Williamson, W. Va.	Nov. 21
Nov. 30.	Schools,	Marquette, Mich.	Nov. 14
Nov. 30.	Library,	Waco, Tex.	Nov. 14
Nov. 30.	Water-works,	Fort Dade, Fla.	Nov. 14
Nov. 30.	Torpedo boat slips,	Norfolk, Va.	Nov. 14
Nov. 30.	Plans for capitol,	Harrisburg, Pa.	Aug. 29
Nov. 30.	Buildings (2),	Mare Island, Cal.	Oct. 17
Nov. 30.	Bridge superstrucfure,	Cincinnati, O.	Nov. 7
Nov. 30.	High school,	Oshkosh, Wis.	Nov. 7
Nov. 30.	Building,	New York, N. Y.	Nov. 7
Dec. 1.	Tubular well,	Bement, Ill.	Nov. 7
Dec. 2.	Heating apparatus,	Clinfon, Ia.	Oct. 24
Dec. 2.	Court house,	Hazlehurst, Miss.	Oct. 24
Dec. 2.	Wharves, etc.,	Honolulu, H. I.	Oct. 17
Dec. 2.	Water bonds,	Lemoore, Cal.	Nov. 7
Dec. 2.	Jail,	Martinez, Cal.	Nov. 7
Dec. 2.	Sewers,	Elwood, Ind.	Nov. 14
Dec. 2.	Library,	Houston, Tex.	Nov. 14
Dec. 2.	Water-works,	Fayette, Miss.	Nov. 14
Dec. 2.	Bridge plans,	Jackson, Cal.	Nov. 21
Dec. 2.	Electric power,	Whittier, Cal.	Nov. 21
Dec. 2.	Water-works,	Caruthersville, Mo.	Nov. 21
Dec. 2.	Paving,	Toledo, O.	Nov. 21
Dec. 2.	Sewer,	Salina, Kan.	Nov. 21
Dec. 3.	Paving,	Trenton, N. J.	Nov. 21
Dec. 3.	Paving,	Beaumont, Tex.	Nov. 21
Dec. 3.	Church,	Richford, Vt.	Nov. 14
Dec. 3.	Sidewalks, etc.,	Jeffersonville, Ind.	Nov. 7
Dec. 3.	Conduit system,	Clinton, Ia.	Oct. 24
Dec. 3.	Coaling station,	Manila, P. I.	June 20
Dec. 4.	Self-propelling wagons, etc.,	London, Eng.	June 20
Dec. 4.	Removing wreck,	Tampa, Fla.	Nov. 14
Dec. 4.	Gravel roads (2.4 miles),	Petersburg, Ind.	Nov. 21
Dec. 4.	Bridge,	Greensboro, Ga.	Nov. 21
Dec. 4.	Grading and draining,	Newburg, O.	Nov. 21
Dec. 5.	Gravel roads (13 miles),	Indianapolis, Ind.	Nov. 21
Dec. 5.	Box lockers (5,000),	Jeffersonville, Ind.	Nov. 14
Dec. 6.	Dry-dock, etc.,	Hull, England.	Nov. 7
Dec. 6.	University building,	Norman, Okla. Ter.	Nov. 21
Dec. 6.	Sewage pumping engines (4),	Chicago, Ill.	Nov. 21
	Advertised, Engineering News, Nov. 21.		
Dec. 6.	Paving, etc.,	Cincinnati, O.	Nov. 21
Dec. 7.	Electric lighting,	Seattle, Wash.	Nov. 21
Dec. 7.	Wrought-iron bridge,	Cincinnati, O.	Nov. 21
Dec. 9.	Ball-joint water pipe,	Atlantic City, N.J.	Nov. 21
	Advertised, Eng. News, Nov. 21 and 28.		
Dec. 7.	Quay wall,	Washington, D. C.	Nov. 14
Dec. 9.	Garbage crematory,	Newport News, Va.	Nov. 21
Dec. 9.	Telephone franchise,	Los Angeles, Cal.	Nov. 21
Dec. 10.	Water supply,	Wilmington, O.	Nov. 14
	Advertised, Eng. News, Nov. 14 and 21.		
Dec. 11.	Orphanage,	Mason City, Ia.	Nov. 21
Dec. 12.	Garbage crematory,	Dallas, Tex.	Nov. 21
	Advertised, Eng. News, Nov. 21 and 28.		
Dec. 12.	School,	Pittsburg, Kan.	Nov. 21
Dec. 12.	Beacon,	Galveston Bay, Tex.	Nov. 14
	Advertised, Eng. News, Nov. 14 and 21.		
Dec. 12.	Electric plant,	Wilmington, O.	Nov. 14
	Advertised, Eng. News, Nov. 14 and 21.		
Dec. 12.	Bridge,	Saginaw, Mich.	Oct. 31
Dec. 14.	Bridges (2),	Des Moines, Ia.	Nov. 14
	Advertised, Eng. News, Nov. 14 and 21.		
Dec. 14.	Paving,	Newport News, Va.	Nov. 21
	Advertised, Eng. News, Nov. 21 to Dec. 5.		
Dec. 14.	Road improvement, etc.,	Cincinnati, O.	Nov. 21
Dec. 16.	Water-works,	Trinidad, Colo.	Nov. 21
	Advertised, Eng. News, Nov. 21 and 28.		
Dec. 16.	Light-house,	Baltimore, Md.	Nov. 21
	Advertised, Engineering News, Nov. 21.		
Dec. 16.	School,	San Marcos, Tex.	Nov. 21
Dec. 16.	Ry. viaduct,	Ireland.	Nov. 7
Dec. 17.	Pumping plant,	New York, N. Y.	Oct. 24
Dec. 17.	P. O. building,	Creston, Ia.	Nov. 14
Dec. 18.	Filter plants,	Philadelphia, Pa.	Nov. 14
Dec. 18.	Reservoirs, etc.,	Philadelphia	Nov. 14
Dec. 20.	Water bonds,	Houma, La.	Nov. 21
Dec. 20.	Court house,	Des Moines, Ia.	Nov. 21
Dec. 21.	Coaling plant,	Washington, D. C.	Nov. 7
Dec. 23.	Electric light franchise,	San Leandro, Cal.	Nov. 21
Jan. 2.	Dredging,	Chicago, Ill.	Nov. 7
Jan. 6.	Railway bridge,	Victoria, B. C.	Nov. 14
Jan. 7.	Wiring P. O.,	Salem, Ore.	Nov. 21
Jan. 8.	Bridge,	New Westminster, Cal.	Nov. 21
	Advertised, Eng. News, Nov. 21 to Dec. 12.		
Jan. 10.	**Harbor work,**	**Rosario, Argentine Republic.**	**Apr. 18**
Jan. 14.	Light station,	Lincoln Rock, Alaska	Nov. 21
	Advertised, Eng. News, Nov. 21 and 28.		
Feb. 15.	**Auditorium,**	**Omaha, Neb.**	**Oct. 3**
Feb. 28.	**Bridge,**	**Sydney, N. S. W.**	**June 20**
	Advertised, Eng. News, June 20 to July 11.		
Mar. 31.	**Electric trmwys,**	**Rockhampton, Queensland.**	**Oct. 31**
Sept. 1, 1902.	**Bridge plans,**	**St Petersburg, Russia.**	**Sept. 19**
	Advertised, Eng. News, Sept. 19 to Oct. 3.		
No date.	Machine shop,	Niagara Falls, Ont.	Oct. 24
	Advertised, Eng. News, Oct. 24 and 31.		
No date.	**Drainage canals (620 mls),**	**Argentine Rep.**	**Nov. 7**
No date.	Telegraph line,	Ottawa, Ont.	Nov. 21
" "	Sewer,	Toronto, Ont.	Nov. 21

RAILWAYS.

BALTIMORE & OHIO.—Preparations are reported being made by this company to establish large freight yards at Glenwood, Pa.—It is said that a branch line from Mannington, W. Va., to Smithfield, a distance of 12 miles, will be built. The line will pass through a country rich in oil and minerals. J. M. Graham, Ch. Engr., Baltimore.

BESSEMER & LAKE ERIE.—This company has awarded a contract to the Patton & Gibson Co., of Pittsburg, Pa., for the improvement and enlargement of the North Bessemer yard, at Unity, Pa. The work includes 250,000 yds. of steam shovel work and is to be completed in time for the opening of lake navigation in the spring.

BOSTON & MAINE.—The Railroad Commissioners of Massachusetts have approved of an issue of $1,000,000 in bonds for permanent improvements in a number of branches, and for retiring old bonds.

BUFFALO, ROCHESTER & PITTSBURG.—This company has in view the feasibility of building an extension into the new Pennsylvania coal fields, running from Punxsutawney south for a distance of about 30 or 35 miles. Arthur G. Yates, Pres., New York.

CANADIAN PACIFIC.—It is announced in Winnipeg, Man., that J. W. Stewart has been awarded a contract for lowering certain grades in the mountains at Field, B.C., the cost of which will be about $1,000,000.

CAPE BRETON R. R.—The construction of this road is already started, according to reports. The contract for 50 miles of this line is said to be in the hands of Lackie & Collins, of New York, and contracts for most of the materials are let. This line will be about 243 miles in length and will extend from Port Hawkesburg to Louisburg, or directly across the island of Cape Breton, Nova Scotia. The cost of construction will be $8[illegible], or about $30,000 per mile. W. Seward Webb, of New York, is one of the projectors of this road.

CAPE GIRARDEAU & NORTHERN.—A certificate of incorporation has been issued to this company in Missouri to build a railway 90 miles long, running from Cape Girardeau to Crystal City, Mo. It is capitalized at $[illegible],000. R. E. Rombauer, St. Louis; Edward Blomeyer, Cape Girardeau; Newman Erb, New York.

CENTRAL BELT RY.—This company has been reorganized with a capital of $1,500,000, and will begin immediately the construction of a belt railroad through St. Louis county, Mo. William K. Kavanaugh, Pres., St. Louis.

CHICAGO & LAKE SUPERIOR.—Reports state that this company will begin work shortly on the extension of its line now built from London & Cambridge, Wis. The road will be extended four miles further to Rockdale. A survey was made about two years ago, but a new location will be made.

DALLAS & NEW MEXICO.—A. B. Wilgus, Pres., Dallas, Tex., states that this company has purchased the 61 miles of grade belonging to the old Dallas, Paris & Southeastern system, extending from Letot to the crossing of the Rock Island in Wise county. Surveyors have been in this field for the past two months. Work will be started just as soon as the franchises are secured, which will probably be less than 90 days, and the road will be ready for operation by the middle of the coming summer. The trestling work in Dallas will cost about $50,000.

FONDA, JOHNSTOWN & GLOVERSVILLE.—J. N. Shannahan, Engr., Gloversville, N. Y., writes that the contract for grading and masonry on the section 10 miles east from Amsterdam, N. Y., has been let to Pitt, Hankin & Trundle, of Richmond, Va.

FORT SCOTT, IOLA & WESTERN.—This company has filed an amendment to its charter authorizing the construction of a branch road from Gas City to Chanute, Kan. The original purpose was to build a straight line from Fort Scott to Florence.

FRESNO FLUME & IRRIGATION CO.—J. G. Ferguson, Clovis, Cal., informs us that surveys for the 12-mile line from Shaver Lake Mills, into the timber lands, have been completed, and work will soon be started. The line will be standard gage. C. B. Shaver, Pres., Fresno, Cal.

GALESBURG & GREAT EASTERN.—The right of way for the contemplated extension from the terminal point to a point three miles south of Toulon, Ill., has been secured. The road will be about 50 miles long. It is reported that some grading will be done this fall. Edward J. Harris, Gen. Supt., Victoria, Ill.

KANSAS CITY, PEORIA & CHICAGO.—A charter has been issued by the Secretary of State of Missouri, with a capital stock of $3,945,900, to build a road 263 miles long, running from Kansas City, Mo., to Gower, and from Kansas City to Quincy, Ill. John A. Gates, Arther F. Smith and John A. Prescott are directors.

MEMPHIS, HELENA & LOUISIANA.—This company has filed its charter in Arkansas to build a line from Memphis to New Orleans, following as near as practicable the west bank of the Mississippi River. There will be about 222 miles of main line and branches. The capital stock is $3,400,000. George J. Gould, G. C. Warner and E. S. Ready are directors.

MINEOLA, NEW FLORENCE & MIDDLETOWN.—Howard Ellis, Pres., New Florence, Mo., informs us that the survey for this line is now being made; the right of way is practically pledged. Although the capital is not assured at present it is hoped to arrange matters this winter for starting work in the spring. The line will be 30 miles in length. T. L. Cardwell, Ch. Engr., New Florence.

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE.—Reports state that 120 miles of new 80-lb. steel rails will be laid between Sault Ste. Marie, Mich., and Gladstone, next year.

MISSOURI, KANSAS & TEXAS.—It is reported that the company will probably build a cut-off road from Taylor to San Marcos, Tex., passing through Austin, having a length of 60 miles. About 60 miles would be saved by the new route. H. C. Rouse, Pres.

NASHVILLE, CHATTANOOGA & ST. LOUIS.—The surveys and maps of the proposed branch of this road from Tullahoma to Lynchburg, Tenn., have been completed by W. H. Havron, Engr., and show a grade not over 62 ft. The matter of building the road via Awalt is being considered. A survey of this route will be made before the matter is decided on. Hunter McDonald, Ch. Engr.

OREGON.—The construction of a line of railway in Central Oregon, through the timber district of Klamath county, has probably been started by this date by the Sugar Pine Lumber Co. of Ashland. It will start at Klamath on Station and extend a distance 30 miles to Pokegama, Ore. All the preliminary work is about finished and the construction will be prosecuted vigorously, so that the line may be ready for operation before July next. It will be a standard gage road, using 60-lb. rails, and will cost $20,000 per mile. There will be one bridge, which will span the Klamath River. The road will be used primarily for logging purposes, but passenger and freight traffic will also be handled.

PACIFIC, NORTHERN & AMINECA.—This company has made application to the Provincial parliament of British Columbia for permission to amend its charter in order to built a branch line from a point near Hazelton, B. C., to a point at the junction of the main line and the Telqua River. Cornwall & Rogers, Victoria, B. C., are the solicitors.

PADUCAH, CAIRO & NORTHWESTERN.—Articles of incorporation have been filed by this company in Kentucky for the purpose of building a line from Paducah through the counties of McCracken and Ballard to East Cairo, Ky., a distance of 33 miles. Work will begin about Jan. 1. The capitalization is $750,000. E. W. Smith, S. T. Payne, and Geo. O. Hart are interested.

WARREN, CORSICANA & PACIFIC.—It is said to be only a matter of a short time when this road will be extended to the northern part of Texas. At present the line is narrow gage, and runs from Warren, Taylor county, to a point 20 miles west.

STREET AND ELECTRIC RAILWAYS.

GREENFIELD, MASS.—H. P. Abercrombee, Jr., Treas., Greenfield & Deerfield St. Ry., writes to the effect that a contract for 2½ miles of this road has been let to the Bay State Construction Co., Greenfield. The line will be run by electricity and will be 10 miles long. C. W. Clapp, Ch. Engr.

NEWTON, MASS.—It is reported that the consolidation of the Newton St. Ry., the Newton & Boston St. Ry., the Wellesley & Boston Ry., the Commonwealth Ave. St.

Ry. and the Lexington & Boston St. Ry. will soon be consummated. The new company will be known as the Boston Suburban Electric Ry. A D. Claflin, Pres.

PROVIDENCE, R. I.—It is reported that the promoters of the Newport & Bristol Ferry Ry. will commence the work of construction as soon as a charter is granted. The company is to construct a line connecting Newport with the Bristol ferry. The capital is $250,000. George A. Weaver, Edward A. Brown and Henry C. Anthony are interested.

LOCKPORT, N. Y.—The International Lockport Traction Co. is preparing for an extension of its lines in this place.

NEWARK, N. Y.—It is stated that work has been started on the proposed Newark & Marion Electric Ry. by the contractors, Taylor & Tyler, of Worcester, Mass. Rails for 2½ miles have been ordered and the final surveys and maps completed.

NEW YORK, N. Y.—Hearings are being given by the State Railroad Commission on the application of the New York & Portchester Ry. for permission to construct a 4-track electric railway between New York and Portchester. Frank J. Sprague, Vice-Pres. Sprague Electric Co., has stated that the plans of the company are practicable. He states that the electrical equipment will cost about $2,717,500, the cars and tracks $365,000, and the buildings and stations $190,000, making a total of $3,272,500.

PORT HENRY, N. Y.—Local papers state that final steps will soon be taken for the organization of the company to build the electric trolley line through Keeseville, for which a franchise has already been secured. There will be no engineering difficulties encountered in the work and plenty of water power is to be had. A. W. Boynton, Keeseville, is prominently identified in the promotion of the line.

WATERTOWN, N. Y.—J. U. Carlisle, Pres. Watertown & Carthage Traction Co., informs us that the survey has been completed and the rights of way procured for the company's line. The line will be 20 miles long, running from this city to the village of Carthage. It will be operated by electricity. The construction capital has been provided for, but as yet no contracts have been awarded. C. O. McComb, Ch. Engr., Watertown.

KUTZTOWN, PA.—It is stated that the Kutztown & Fleetwood St. Ry. will build a road from this place to Temple.

PITTSBURG, PA.—A charter has been granted the Eastern Rapid Transit St. Ry. to build the proposed tunnel through Mt. Washington. The company is capitalized at $6,000. Geo. W. Addison, Pres.

MOUNDSVILLE, W. VA.—Application for a franchise to use certain streets in this place for an electric railway has been made by the Citizens' Electric Ry. The company proposes to begin work within a year and to complete its line within 18 months. W. D. Alexander, H. W. Hunter and J. S. Ewing are interested.

AUGUSTA, GA.—W. N. Walmsley, Ch. Engr. Augusta-Aiken Electric Ry., P. O. Box 236, writes that the work on the power house is nearing completion, that five miles of track is laid and ten miles of grading done.

BUFORD, GA.—M. S. Garner, Buford, writes that the Cumming & Buford Electric Ry. is not yet organized, and that the charter is expected soon from the state. Forsyth county will subscribe $50,000 to the stock. The road will run between the towns named, having a length of 15 miles. Mr. Garner has control of about 2,000 HP. on the Chattahoochee River, situated on a direct line from Buford to Cumming and proposes to operate the road by that power.

HUNTSVILLE, ALA.—A project is on foot to build an electric railway from this place to Monte Sano. It is stated that New York capitalists are interested in the plan and that arrangements are being completed.

CHATTANOOGA, TENN.—It is understood that the Chattanooga Rapid Transit Co. will at once build a line to White Oak Springs, to be finished by March 1. J. H. Jeffries, Pres.

CLEVELAND, O.—The Cleveland Traction Co., capitalized at $1,000, has been incorporated by Frank De Haas Robinson, L. A. Russell and others to acquire and operate street railways in this city.

TOLEDO, O.—Articles of incorporation have been filed by the Toledo, Hicksville & Fort Wayne R. R., with a capital of $15,000, for the purpose of building an electric road from this city through the counties of Lucas, Fulton and Defiance to the state line between Ohio and Indiana. Chas. S. Griffin, A. K. Detwiler and W. P. Delaney are interested.

INDIANAPOLIS, IND.—The Lafayette & Indianapolis Rapid Ry. has been incorporated to build a railway from Lafayette to this city, a distance of 75 miles, through Tippecanoe, Clinton, Boone and Marion counties. The capital stock is $250,000. The road will parallel the Big Four from this city to Stockwell. A power house, costing $100,000 is to be built at Lafayette. All towns along the route will be asked for subsidies. A. O. Behm, C. E. Ruger and W. C. Mitchell, Lafayette, are interested.

INDIANAPOLIS, IND.—The New Castle, Cadiz, Martinsville, Pendleton & Western R. R., which will build an electric line from New Castle to Pendleton, through Henry and Madison counties, has been incorporated with a capital stock of $50,000. R. H. Cooper, Richmond Wisenhart and T. J. Burke are interested.

BATTLE CREEK, MICH.—G. Macard, Secy. Michigan Inter-Urban Ry., writes us that contracts for the construction of the company's 40-mile line will be let in about 30 days. The rights of way have been secured and the survey partly made. Matters relating to the capital are not yet decided. The line will run to Sonoma, Joppa, Athens, Union City, Hodunk and Coldwater. N. S. Phelps, Pres., Battle Creek.

LANSING, MICH.—The Toledo & Northwestern Electric R. R. has increased its capital stock from $200,000 to $350,000, and will extend its lines in Michigan.

CHICAGO, ILL.—The Chicago & Indiana Air Line Ry. has been organized for the purpose of constructing an electric line between this city and Mishawaka, Ind. The entire route has been surveyed and arrangements for proceding with the work of construction are complete. The line will pass through St. Joseph, La Porte, Lake and Porter counties. The new corporation is capitalized at $1,500,000. W. O. Orton, Mishawaka; Geo. W. Bryson, South Bend and Frank E. Griffin and James Parmlee, Cleveland, O., are interested.

DANVILLE, ILL.—The city council has granted a franchise to Charles M. Cole and associates to build and operate an electric interurban railway between Covington, Ind., and Danville. The line must be completed by April 1, 1903.

OSKALOOSA, IA.—The Oskaloosa & Tama R. R. has been organized here for the purpose of building an electric railway from this place to Tama and Buxton. A committee has been appointed to take charge of the work of securing the rights of way and making surveys. The capital stock is placed at $100,000. Dr. S. W. Clark, Pres., Oskaloosa; E. G. Penrose, Vice-Pres., Tama; W. C. Blake, Secy., Cedar Rapids; John Hall, Jr., Treas., Montezuma.

KENOSHA, WIS.—The Wisconsin Inter-Lakes Electric Ry. has filed incorporation papers for the purpose of building electric lines to connect the various lake regions of Wisconsin. The company is capitalized at $25,000. Gerald R. McDowell, Jacob Kroncke and W. T. Marlatt are incorporators .

LEAD, S. DAK.—The Burlington Ry. Co. has been granted a franchise for building and operating an electric road through Main St. of this city. It will be a single track and will be completed within 14 months.

MISSOULA, MONT.—A franchise for an electric street railway has been asked by F. B. Keith, G. F. Brooks and E. A. Winstabley.

FORT SMITH, ARK.—The Fort Smith Rapid Transit Co. has filed articles of incorporation, capitalized at $2,000,000. The company proposes to build and operate an electric road between Fort Smith, Springhill, Central City, Lavaca, Greenwood and other towns. Thomas L. Carmon, Pres.; Geo. Sengel, Vice-Pres.; Frank Parke, Secy.

COLORADO SPRINGS, COLO.—The North American Ry. Construction Co. of Chicago has been awarded the contract for building a trolley line from this place to Cheyenne Canyon, to be six miles long. Work is to be completed by May 1.

LOS ANGELES, CAL.—The Pacific Electric Ry., with a capital stock of $10,000,000, has filed articles of incorporation here. It is the object of the company to build and operate interurban electric railways in southern California, aggregating 452 miles in length. H. E. Huntington is the principal stockholder.——The Santa Clara Valley Electric Ry. & Power Co. has perfected its organization and will build an electric railway from Oxnard to Hueneme on the south and El Rio on the north. The plans embrace extensive interurban electric lines in the county. The capital stock is $500,000. J. A. Duffil, B. S. Virden and F. O. Engstrum are interested.

REDDING, CAL.—Thos. D. Boardman and Thos. G. Parker has applied to the board of trustees for a franchise to construct and operate an electric street railway along certain streets in this place. The franchise will be sold to the highest bidder on Dec. 9.

VENTURA, CAL.—Bids will be received by the county clerk until Dec. 7 for the purchase of a franchise for an electric railway on all county roads, applied for by J. A. Driffill, B. S. Virden and F. O. Engstrum. George E. Farrand, County Clk.

TORONTO, ONT.—Commercial Agent Hamilton, at Cornwall, reports to the State Department that a company has been formed to build and operate an electric railway from Toronto to Cornwall, with a branch line from Brookville to Ottawa. The surveying and other preliminary work has been done, and at the next meeting of the parliament application will be made for a charter.

ELECTRIC LIGHT AND POWER.

WESTMORELAND, N. H.—The Cheshire County commissioners have been authorized to establish an electric light plant at the county house in this place and have also been empowered to borrow $4,000 for that purpose.

NORTHBRIDGE, MASS.—A contract has been entered into with the Uxbridge & Northbridge Electric Co. for lighting the streets of this town. The company is to furnish 39 arc lamps at $70 each per year and four incandescent lamps at $16 per year.

KINGSTON, N. Y.—The contract for erecting the new plant of the Kingston Electric Co. has been let to Campbell & Dempsey. The new gas tank of the company is to be 50 ft. in diameter by 70 ft. high and will contain 500,000 cu. ft. of gas.

WEST SENECA, N. Y.—Press reports state that the People's Natural Gas Co., now drilling in West Seneca, have struck a supply that is estimated to be good for at least 1,000,000 ft. of gas a day.

JERSEY CITY, N. J.—Bids are asked until Nov. 26 for furnishing electric, oil and gas street lighting for one year from Dec. 1. Anthony Hauck, Chn. Com. on Municipal Lighting.

ORANGE, N. J.—The United Electric Co. of N. J. has been awarded the contract at $85 a lamp for lighting the streets for five years.

READING, PA.—The Peoples Electric Light & Power Co. proposes to add a new plant of 1,000-HP. engines and 1,200-HP. boilers at a cost of about $200,000. M. V. Ritter, Secy.

SOUTH BETHLEHEM, PA.—It is reported that W. H. Jacobs is to erect a $100,000 electric light plant in this place.

WILKESBARRE, PA.—The Wilkesbarre Electric Light Co., who has the present contract for lighting, has been awarded the new contract at $60 a light a year for seven years.

BENNETTSVILLE, S. C.—W. S. Rowe writes us that the bonds for a municipal electric plant have been voted and will be issued soon. T. W. Bonchter will probably be chairman of commissioners. The plant is to be operated by steam and is to be capable of furnishing 25 arc lights of 2,000 c. p. each, and 800 to 1,000 incandescent 16-c. p. lamps.

MOBILE, ALA.—J. H. Wilson, Gen. Mgr. Consolidated St. Ry. Co., has applied for a franchise for the erection of a gas plant in this city. Should the franchise be granted the plant will be built by the Mobile Light & Ry. Co.

MANSFIELD, LA.—The contract for furnishing the town with electric lights and water-works has been let to E. J. Obern, Birmingham, at $12,288. The plant will be in operation in about 90 days.

BRISTOL, TENN.—Press reports state that the Bristol Light & Power Co. and the Bristol Belt Line Ry. Co. are taking steps to enlarge their plant and add to its machinery. The former company is having its charter changed so as to be enabled to produce and sell gas. In view of these improvements the capital stock of the companies is to be increased from $100,000 to $150,000.

PEMBERVILLE, O.—It is reported that negotiations are pending for the purchase of a lot on which to erect a municipal electric light plant.

ELKTON, MICH.—Press reports state that the council is to put in an electric light plant, and that it will be in operation inside of four months.

DETROIT, MICH.—Plans for a brick power house for the Alabastine Co. have been made by W. G. Robinson, Arch., Grand Rapids.

LANSING, MICH.—The Lansing Gas Light Co. is reported to have purchased land on which it proposes to build a gas plant.

KALAMAZOO, MICH.—The General Gas Light Co. is preparing to build a plant, etc., at a cost of about $60,000.

MUSKEGON, MICH.—According to reports the Grand Rapids, Grand Haven & Muskegon Interurban Ry. has secured a 20 years' franchise from the village of Muskegon Heights and will at once commence the erection of a sub-power station at that place.

GENOA, ILL.—The question of an electric light plant for this place is being considered.

LA CROSSE, WIS.—The council has granted a 25-year extension of franchise to the Edison Electric Light & Power Co. and a 20-year franchise to the Central Electric Co. Mr. McMillian, of Appleton, Wis., is interested in the Edison Co.

MILWAUKEE, WIS.—The Milwaukee county board has adopted a resolution for the construction of a lighting plant at the house of correction to cost about $3,500. Bids are to be immediately called for.

MILWAUKEE, WIS.—Bids are asked until Nov. 30 for lighting certain streets with 60-c. p. incandescent gasoline lamps for five years. C. J. Poetsch, Cy. Engr.

MINNEAPOLIS, MINN.—The city council will probably vote at their next meeting upon a resolution submitting to a vote of the people a proposition for issuing $300,000 worth of bonds for the erection of a municipal electric light plant.

ST. CLOUD, MINN.—The electric light plant at this place, recently damaged by fire, was insured for $15,000.

ST. PAUL, MINN.—City Engineer Clausen has estimated that an electric plant sufficient to light the streets of this city could be erected at a cost of $300,000. It is quite likely that some effort will be made to establish a sinking fund for providing a nucleus for this purpose.

WELLINGTON, KAN.—This city has voted to issue $15,000 in bonds for an electric plant to be run in connection with the water-works recently purchased.

BLUE MOUND, MO.—An election is to be held soon to vote on the proposition of purchasing the electric light plant.

CENTER, TEX.—Local papers state that W. N. Bailey, of Nacogdoches, has been negotiating for the establishment of an electric light and ice plant at Center.

DENVER, COLO.—It is reported that State Engineer McCune has said that he would approve the plans of the electric company for furnishing power to mining camps. The company intends to build a $100,000 dam across the Grand River at Windy Gap. From here the water will be carried nine miles in pipes to the top of a bluff below Hot Sulphur Springs, where by means of water wheels its energy will be turned into electric power. It is estimated that the plant itself will cost $150,000.

ANADARKO, OKLA. TER.—A local company has asked for a franchise for an electric plant.

POND CREEK, OKLA. TER.—A. T. Lewis is reported to have been granted a franchise for an electric plant.

SEATTLE, WASH.—Bids are asked until Dec. 7 for lighting the streets for one year from Jan. 1. The city is to have the privilege of purchasing the plant at expiration of contract. C. B. Bagley, Secy. Bd. Pub. Wks.

BECKWITH, CAL.—F. F. Peck, Mgr. Plumas Mercantile Co.,is preparing to install an electric light plant, according to reports.

FRESNO, CAL.—An election will be held Dec. 20 to vote on the question of issuing $285,000 in bonds for a city lighting plant.

LOS ANGELES, CAL.—Press reports state that J. B. Miller, Pres., and H. H. Sinclair, Cons. Supt. of the Edison Electric Co., have placed a large order for equipment. The company, it is stated, intends to expend more than $1,000,000 in bringing electrical energy through Los Angeles.

LOS ANGELES, CAL.—The question of building a city electric plant is being considered. Address Councilman Allen.

OAKLAND, CAL.—According to a San Francisco report plans for a new water and power system to cost about $2,250,000 have been completed by Eastern capitalists, represented by R. G. Hanford, of Baltimore.

SAN BERNARDINO, CAL.—The Mentone Power Co. has been granted a franchise for a pole line. The company proposes to furnish power and light in all the cities and towns of this county and also to run its main wire into Los Angeles.

SAN LEANDRO, CAL.—Bids are asked until Dec. 23 for the purchase of a franchise for lighting this place with electricity. R. E. Gray, Cy. Clk.

WHITTIER, CAL.—Bids for a franchise for electric power in this place will be received until Dec. 2. Walter E. Butler, Cy. Clk.

SALT LAKE CITY, UTAH.—It is reported that the Consolidated Ry. & Power Co., of this city, is to erect a motive power plant, to cost about $300,000 and capable of developing from 2,500 to 3,000 HP. Electric Expert A. P. Lundy, of Chicago, has inspected the property of the company with this end in view.

NORTH SYDNEY, N. S.—The Cape Breton Electric Co. have secured possession of the electric light plant at this place, recently bonded for $30,000 by W. A. McKay, and will at once enlarge the plant and make extensive improvements in the system.

BEETON, ONT.—This village is about to install an electric light plant to cost $7,000.

BROCKVILLE, ONT.—W. S. Buell, Mayor, writes us that a by-law will be submitted to the voters in January to raise $50,000 for improving the gas and electric plants the city purchased in 1900 for $85,000.

IROQUOIS, ONT.—It is reported that this place has borrowed $12,000 with which to buy and install an electric light plant.

PORT ARTHUR, ONT.—The Kakabe Power Co. proposes to install an electric plant, to supply light and energy to Port Arthur and Fort William.

ST. CATHARINES, ONT.—The Cataract Power Co. is arranging to install an electric light plant at Grimsby, a village half way between this place and Hamilton.

GRAND FORKS, B. C.—The Cascade Water, Power & Light Co. of this place will build a wire line between Cascade and the Phoenix and Summit camps. It will take about 125,000 lbs. of wire for its construction.

NELSON, B. C.—An election was held on Nov. 18 to vote on the proposition of the Kootenay Power & Light Co. for furnishing power to the city for lighting purposes.

NELSON, B. C.—The West Kootenay Power & Light Co., L. A. Campbell, Mgr., has been awarded the contract by the owners of the Hall smelter at Nelson for equipping their smelters, etc., with electric power.

WINNIPEG, MAN.—An election will be held Dec. 10 to vote on equipping a fire alarm system for the city and for the purchase of an extra dynamo and plant for electric lighting.

PHOENIX, B. C.—The contract for the construction of the pole line from Phoenix to Cascade for the Cascade Water, Power & Light Co. has been let to Lorne A. Campbell, Rossland, and work has already commenced. The contract for the construction of a power house at Cascade has been let to John Copp, Rossland.

BRIDGES.

BANGOR, ME.—The aldermen have agreed to have plans and specifications prepared for a new steel bridge to be placed upon the piers and abutments of the present bridge, the expense to be borne jointly by the cities of Bangor and Brewer and the Public Works Co.

MILLVILLE, MASS.—C. R. Day, Road Comr., writes us that no bridge will be built at present, but that the Staples bridge will be repaired.

BRIDGEPORT, CONN.—The New York, New Haven & Hartford R. R. is reported to have issued a call for bids for the construction of a Scherzer roller lift bridge, which is to be a part of the $7,000,000 improvements at this place. Bids are to be in by Dec. 1. C. M. Ingersoll, Jr., Ch. Engr., New Haven.

BUFFALO, N. Y.—The following bids were received by the Grade Crossings Commission on Nov. 10 for the superstructure for the viaduct to be built over the Erie R. R. tracks at Van Rensalaer St.: Pennsylvania Steel Co., $69,659; Pennsylvania Bridge Co., $82,100; Buffalo Structural Steel Co., $70,406; King Bridge Co., Cleveland, $69,423; American Bridge Co., New York, $68,410; Owego Bridge Co., $67,300.

CHENANGO FALLS, N. Y.—Local papers state that the citizens of Cincinnatus want a new bridge built across the Otselic River at that village. The one in use was built in 1865.

SENECA FALLS, N. Y.—The village trustees have contracted with the Owego Bridge Co. for the construction of the street north approach to the Rumsey St. bridge, to cost $4,050. It is to be completed in 55 days.

WATERVLIET, N. Y.—Superintendent of Public Works Partridge has granted permission to the Hudson Valley Ry. Co. to build a bridge over the canal side cut at this place.

CAMDEN, N. J.—The bridge committee has submitted plans and specifications for the proposed bridge across Cooper's Creek, at Baird Ave., to the Camden freeholders.

SOMERVILLE, N. J.—The freeholders have received the following bids for the construction of the Mountain Ave. bridge extension in North Plainfield: Berlin Construction Co., $2,535, $2,200; F. R. Long Co., $2,498; National Bridge Co., $2,580; Canton Bridge Co., $2,695; J. W. Scott, $3,470; American Bridge Co., $2,256; W. T. Kirk, $2,253.

WEST ORANGE, N. J.—Contracts were let as follows by John F. Otterheim, Chosen Freeholder, for building two steel bridges: Jas T. Boylan, Belleville, masonry, Chestnut St. bridge, $1,050; Wellington Ave. bridge, $725; Albert Smith's Sons, Newark, steel work, Chestnut St. bridge, $385; Wellington Ave. bridge, $189.

DONORA, PA.—It is reported that the Union Steel Co. has decided to build a four-track bridge across the Monongahela River to connect with the Pennsylvania & Lake Erie Ry., at a cost of $300,000.

GLASSPORT, PA.—A company of McKeesport capitalists are applying for a charter for a new bridge over the Monongahela River at this place, to be known as the West Elizabeth & Dravonsburg Bridge Co. J. A. Pierce, Chas. H. Kline and R. H. Jackson are interested.

KUTZTOWN, PA.—The Kutztown & Fleetwood St. Ry. has decided to extend its line to Temple, and a bridge over the Saucony Creek will be needed, so it is reported.

MONTGOMERY, PA.—The citizens are taking preliminary steps to have the county commissioners build a bridge across the river here.

PITTSBURG, PA.—Bids are asked until Nov. 23 for the construction of a foot bridge across the B. & O. R. R. at Melancthon St., according to reports. Wm. M. Bigelow, Dir. Dept. Pub. Wks.

WASHINGTON, D. C.—The Pennsylvania R. R. Co. has awarded the contract for the masonry of the new bridge across the Potomac River at this place to Weand & McDermott, of Philadelphia. The bridge will be 2,496 ft. long, having 11 spans. Work will be started at once.

GREENBORO, GA.—It is stated in local papers that bids will be received by the county commissioners on Dec. 4 for the construction of an iron bridge over the Oconee River at the Bob's Woods place. J. F. Bryson, J. J. Sanders and E. W. Strickland are interested. J. L. Crossley, County Clk.

CINCINNATI, O.—Bids are asked until Dec. 7 for the construction of a wrought-iron truss bridge over Muddy Creek on he Delphi Pike, Delphi. Eugene L. Lewis, County Audr.

DANVILLE, ILL.—Local papers state that work will begin in the spring on the new bridge over the North Fork for the Cleveland, Cincinnati, Chicago & St. Louis R. R. The bridge will be entirely of steel and stone, 170 ft. in length, having two spans.

THEBES, ILL.—A Mississippi River bridge from Thebes to Grays Point, Mo., is to be built jointly by the Chicago & Eastern Illinois Ry., Illinois Central Ry., Missouri Pacific Ry. and St. Louis Southwestern Ry. The Thebes extension of the Chicago & Eastern Illinois Ry. was described in our issue of April 12, 1900, and it was then stated that a bridge would be eventually built to connect with the St. L. S. W. Ry. At the present time a car ferry is in operation.

JANESVILLE, WIS.—A petition is being circulated asking that a portion of North St. be vacated and it is understood that if the petition is granted, the Chicago & Northwestern R. R. will build a viaduct.

MILWAUKEE, WIS.—The board of public works will recommend the acceptance of the bid of Adolph Blues for the construction of the new Broadway bridge at $125,375.

WATERLOO, IA.—The supervisors have appointed Geo. E. Lichty, C. L. Kingsley, J. R. Vaughan and W. L. Illingworth a committee to consider the question of the new bridge across the river in the place of the Fourth St. structure. The estimated cost of concrete bridge is $75,000, and $77,000 for a steel girder structure.

DULUTH, MINN.—The contract for the substructure of the aerial bridge over the canal has been let to Hugo & Tims, of this city, at $8,000.

ST. CLOUD, MINN.—The town board has appropriated $1,000 toward the construction of a new steel bridge across Sauk River.

FARGO, N. DAK.—Bids are asked until Dec. 5 for building a pile bridge in Hunter township. O. J. Olson, County Audr.

HELENA, MONT.—It is reported that the new board of county commissioners will order the construction of a bridge across the Missouri River at Bear Tooth. The improvement will cost about $15,000.

CHILLICOTHE, MO.—The contract for building a new bridge over Shoal Creek south of Ludlow has been let to the Dildine Bridge Co., Cameron, at $1,500.

KANSAS CITY, MO.—The contract for the metal work in the Benton Boulevard bridge over the Belt Line Ry. tracks has been let by the Park Board to the American Bridge Co. at $15,435.

DENVER, COLO.—It is said that several bridges on the line of the Colorado Midland road are to be rebuilt. Frank Trumbull, Pres.

OKEENE, OKLA.—Local papers state that the county commissioners have contracted for 28 new steel bridges to be erected at various parts of the county. The cost will be about $8,562.

REPUBLIC, WASH.—The county commissioners have let a contract to Alfred Jaques, of Republic, to construct a wagon bridge over Kettle River at Curlew, at $2,448.

FRESNO, CAL.—The Fresno Flume & Irrigation Co. has petitioned the supervisors for a bridge across Little Dry Creek on the road to Pollasky, to cost about $1,500.

JACKSON, CAL.—Bids are asked until Dec. 2 for plans, specifications and working details for a new steel bridge across Sutter Creek in the town of Sutter Creek. C. L. Culbert, Clk. Supervisors.

RED BLUFF, CAL.—W. F. Luming, Cy. Engr., has estimated the cost of repairs to the bridge over brick-yard creek at $3,000. A new structure could probably be built for that sum.

NEW WESTMINSTER, B. C.—Bids are asked until Jan. 8 for the construction of a bridge for combined highway and railway traffic over the Fraser River at this place, as stated in our advertising columns. W. S. Gore, Deputy Comr. Lands & Works.

BUILDINGS.

KINGSTON, N. Y.—Plans for a new courthouse and county house for Dutchess county have been prepared by W. J. Beardsley, Arch., Poughkeepsie. The buildings will cost about $200,000.

NEW YORK, N. Y.—Bids are wanted by the department of education, Park Ave. and 59th St., until Nov. 25, for installing electric-light wiring, fixtures and electric-gong system in school 18, Borough of Richmond.——Henry Corn has purchased the property at 476 Broadway, running through to Crosby St., and will erect a 12-story loft building at a cost of about $400,000.——Charles Buek has acquired property at Madison Ave. and 27th St., and will build an 11-story hotel, to be managed by Mrs. Margaret Tucker.——The trustees of the St. John's Guild have decided to establish an institution on the Guild's property at New Dorp, S. I., for a convalescent hospital.——It is announced that the Brooklyn Rapid Transit Co. will extend their office building, located at Clinton and Montague Sts., Brooklyn. Plans have already been prepared for the addition, which will cost about $150,000.

NEW YORK, N. Y.—Plans have been filed by Max Wernstein, 190 Bowery, for a 6-story brick tenement, 50 × 60 ft., at Carmine and Bleecker Sts., to cost $30,000. M. Bernstein, Arch., 111 Broadway; by the Herald Square Realty Co., 135 Broadway, for a 7-story brick store, 202 × 150 ft., on Broadway, 33d to 34th St., west side, to cost $700,000. Buchman & Fox, Archs., 11 East 59th St.; by Samuel Weil, 222 Lenox Ave., for a 6-story brick warehouse, 28 x 70 ft., at 137 Hudson St., to cost $30,000. Louis Korn, Arch., 37 Maiden Lane; by L. L. Chamberlain, 156 Broadway, for a 7-story brick lofts, 25 x 83 ft., at 115 Christopher St., to cost $240,000. E. G. Gollner, Arch., 156 Broadway; by the city, for a public school at Houston, Lewis, East Third and Manhattan Sts., to be 5 stories, 195 × 214 ft., costing $300,000. C. B. J. Snyder, Arch., 584 Broadway.

ONEIDA, N. Y.—The proposition to issue $35,000 for the purpose of erecting a new city hall has been defeated.

UTICA, N. Y.—C. M. Underhill, Librarian, informs us that the final plans for the new library have not yet been accepted. It will be 2 stories, 213 × 224 ft., of brick and stone and fireproof construction, costing about $150,000. A. C. Jackson, Arch., 28 East 41st St., New York.

CAMDEN, N. J.—The Camden Board of Education has taken preliminary steps looking to the erection of three additional school houses and will ask the council for a bond issue of $150,000 to aid this purpose.

NEWARK, N. J.—The City Hall commissioners have accepted the plans of John H. & Wilson C. Ely, Archs., Newark, for the new municipal building. The building will cost about $1,000,000, will be 140 × 240 ft., and four stories high. There were 57 sets of plans submitted.

FRANKLIN, PA.—The contract for the Franklin High School building will be let Dec. 2. Owsley & Boncherle, Archs., Wick Bank Bldg., Youngstown, O.

GROVE CITY, PA.—It is said that the Home for Aged and Infirm Members of the Independent Order of Odd Fellows will be located at this place. The building will be erected on a farm of 150 acres, and will cost about $100,000. L. K. White, Allegheny; S. A. Steele, Wilkinsberg, and W. C. Fenton, Lawrence county, will look after the property.

LANCASTER, PA.—The trustees of the Henry G. Long Asylum for Aged Women have selected a site at Race St. and Marietta Ave. for the location of the institution. It will be erected next spring at a cost of $300,000.

PITTSBURG, PA.—The Pittsburg Brewing Co. will erect a stock house in connection with its city plant at 33d St. and Liberty Ave., at a cost of $200,000. Otto C. Wolf, Arch., 1345 Arch St., Philadelphia.——A permit has been issued to the Pittsburg, Virginia & Charleston R. R. to erect eight 2-story shops and a roundhouse in Carson St., between South 32d and 33d Sts., at a cost of $100,000.——Andrew Carnegie has added $2,000,000 more for the Carnegie Institute and the proposed polytechnic school, making a total endowment of $4,000,000 for these institutions.——Plans have been drawn by C. M. Robinson, Arch., 1910 West Chestnut Ave., Altoona, for a new church building at Center and Moorewood Aves., East End, to cost $40,000. The edifice will be erected by the St. Andrew's Lutheran Church congregation.

PHILADELPHIA, PA.—The contract for building an 8-story manufacturing building, 69 × 100 ft., to cost about $98,000, has been let to Wm W. Rea's Sons. Chas. Baldeston, Arch.——It is reported probable that in the near future the University of Pennsylvania will make improvements on Franklin Field to the extent of $500,000. The plan has been under consideration for some time past, and included the erection of a gymnasium, as well as the general improvement of all athletic facilities at the university.

PHILADELPHIA, PA.—The contract for the erection of a 22-story building by the Farmers' Deposit National Bank, at Fifth and Wood Sts., has been let to the George A. Fuller Co. The building will be completed by April, 1903, at a cost of $1,500,000. Alden & Harlow, Archs., 314 Fourth Ave., Pittsburg.——A permit has been issued to John R. Wiggins to erect a new addition to the Drexel Institute, in Chestnut St., to be three stories, 71 x 190 ft., costing about $200,000. Wilson Bros. & Co., Archs.——Application has been made for a charter for the new Hamilton Courts apartment house, at 39th and Chestnut Sts. John H. Kichener, Horace H. Lee and Henry A. Ingram are interested.——The De Witt C. Moore Gospel Mission proposes to erect a building on the site now occupied by the premises Nos. 2025-9 North Sixth St. The new building will be four stories high, with basement and roof garden, equipped with swimming pool, gymnasium, auditorium, etc., costing about $35,000.

BALTIMORE, MD.—A company is being formed by Alexander Hamill, Samuel Rosenthal, Jr., Sylvan H. Lauchelmer, Douglas H. Gordon and DeCourcey Thorn for the purpose of erecting a 13-story fireproof apartment house at Eutaw Place and Laurens St. The company will be capitalized at $500,000.——Plans are being prepared by George Archer, Arch., Savings Bank Bldg., for a 12-story apartment house at Mount Royal Ave. and McMechen St. Work will be started at an early date, and the building is to be finished by October, 1902.

BALTIMORE, MD.—Wm. Wirt Clarke & Sons, 115 Gay St., S., inform us that the Belvidere Hotel Co. and the International Trust Co. are both preparing to erect new buildings in this city, and that plans for the new Custom House building are expected to be ready before long.

WILLIAMSON, W. VA.—Bids are asked until Nov. 30 for the erection of a county court house. Jas. Damron, County Clk.; Frank P. Milburn, Arch., Columbia, S. C.

RALEIGH, N. C.—It is stated that bids will be received at once for the erection of a $25,000 Methodist orphanage. Rev. J. W. Jenkins, Supt.

COLUMBIA, S. C.—Local papers report that the Loan & Exchange Bank will build a 10-story building.

ATLANTA, GA.—Geo. J. W. Robertson, keeper of the public buildings and grounds, has recommended an appropriation for the improvement and repairing of the capitol building. A new roof is badly needed, and this alone will cost $70,000.

BIRMINGHAM, ALA.—The contract for the erection of the new building for the Southern Club, at Fifth Ave. and 20th St., has been awarded to A. J. Krebs & Co., Birmingham, at $30,000. Wheelock & Son, Archs., Birmingham.

MERIDIAN, MISS.—Krouse & Hutchisson, Archs., of this place, have written us that contracts for the new jail here will be let Jan. 6. The building will be fireproof, 68 × 75 ft., and will cost $35,000. It will be steam heated, equipped with electric and gas lighting.

NATCHITOCHES, LA.—Bids are asked until Nov. 25 for building a jail for this place. S. H. Hill, Clk. Police Jury; Wm. S. Hull, Arch., Jackson, Miss.

CHATTANOOGA, TENN.—The Chattanooga Medicine Co. will shortly begin the erection of a new office building at St. Elmo, to be two stories, 150 × 100 ft. W. T. Downing, Arch., Atlanta, Ga.

KNOXVILLE, TENN.—The Young Men's Christian Association is negotiating for the purchase of certain property near Gay St., on which it will erect an association building, plans for which have already been prepared. J. C. Fink, Secy.

CLEVELAND, O.—It is said that John Hartness Brown will erect a new hotel at Euclid Ave. and Muirson St., to cost between $1,500,000 and $2,000,000. It will be 15 stories high, and will contain 1,000 rooms.——It has been voted to erect a new county court house, and the county commissioners will shortly call for competitive plans.

XENIA, O.—Bids are asked until Dec. 10 for interior decorations and fittings for the new court house. Jno. W. Fudge, Chn.

CHICAGO, ILL.—Plans are being prepared by Frommann & Jebsen, Archs., 505 Schiller Bldg., for the reconstruction of the 6-story building at 106-12 Wabash Ave. of Mrs. Marie Lehmann, preparatory to its occupancy by the Chicago Mercantile Co. The total cost of the improvements will be about $60,000.——Chas. A. Strandel, Arch., 78 La Salle St., has designed a 3-story apartment house to be erected at North Halstead and Center Sts. It will be 116 × 76 ft., and will cost $40,000.——Joseph Cormack will erect a 3-story apartment house at Cornell and 55th Sts., to cost $70,000. It will be 60 × 300 ft. and constructed of stone.——A permit has been issued to the Chicago Dock & Canal Co. for a 7-story brick warehouse at 434-8 Illinois St., costing $60,000.——A building to cost $100,000, in addition to the one to cost $400,000 already planned by Rand, McNalley & Co., is contemplated.——Charles A. Stevens & Bros. have purchased the Jeone Bldg., 109-11 Wabash Ave., and agree to erect a 10-story building within the next 10 years, to cost not less than $125,000.——Hibbard, Spencer, Bartlett & Co. have completed the purchase of property in State St. and will build a warehouse, at a cost of about $1,000,000.——The University of Chicago has promised to furnish a site for the proposed French school in that city.——Arthur T. Aldis and Bryan Lathrop are interested in the plan to build a 10-story steel constructed commercial building at Monroe St. and Wabash Ave., to cost about $1,000,000.——Victor F. Lawson will erect a newspaper and office building at Fifth Ave. and Madison St.——John S. Woollacott, Arch., is preparing plans for an apartment house at North Clark and Halstead Sts. for S. Woollacott, to cost $100,000. It will be three stories, 100 × 475 ft.——Frank P. Bunket, builder, will erect a 3-story apartment houses at 4131-39 Indiana Ave., 50 × 68 ft., costing about $48,000, after plans by L. M. Mitchell, Arch.——A $30,000 apartment house has been designed by Thomas McCall, Arch., 167 Dearborn St., for John Jeffrey at Kimbark Ave., between 61st and 62d Sts. It will be three stories, 70 × 90 ft.——Kley & Gauger, Archs., have designs for a 3-story apartment at Flourney St. and South 40th Ave. It will cost $40,000 and be 88 × 98 ft. ground dimensions.——A $45,000 3-story flat has been designed by Andrew Sendegren, Arch., for C. O. Swenson. It will be erected at St. Lawrence Ave. and 50th Place.

GREEN BAY, WIS.—Bids are asked until Dec. 5 for the erection of a library building at this place, according to plans and specifications prepared by H. A. Foeller, Arch. P. H. Martin, Chn. Com.

DES MOINES, IA.—Bids are asked by the county auditor until Dec. 20 for the erection of the new Polk county court house. Proudfoot & Bird, Archs., 712 Crocker Bldg.

MASON CITY, IA.—Bids are asked until Dec. 11 for erecting a 2-story brick orphans' home building at Mason City. J. W. Marshall, Secy. I. O. O. F. Orphans' Home, Storm Lake, Ia.

ST. PAUL, MINN.—The plans of Stern & Reed, Archs., for the detention ward in the new hospital have been adopted by the board of control. The building will be two stories, 120 × 70 ft.——The Hennepin Ave. Methodist Society will probably build a new house of worship at 10th St. and Hennepin Ave., seating about 2,000 and costing between $75,000 and $100,000.

PITTSBURG, KAN.—Bids are asked until Dec. 12 for erecting a high school manual training building at Pittsburg. P. P. Campbell, Pres. Bd. Education.

FORT RILEY, KAN.—Maj. F. G. Hodges, Constructing Q. M., Washington, D. C., informs us that the plans for

the buildings and alterations to buildings at Fort Riley are now being prepared. It is not decided when bids will be advertised for.

ABERDEEN, S. DAK.—The county commissioners are expected to take early action in regard to the erection of a new court house, to cost about $65,000. The contract will be let this winter and work begun as soon as spring opens.

MISSOULA, MONT.—Bids are wanted by the county court until Nov. 23 for the purchase of $45,000 in bonds for a county court house here.

KANSAS CITY, MO.—F. P. Ewins, Mgr. Savoy Hotel, states that the improvements to be made to the Savoy Hotel will probably cost $150,000.

MACON, MO.—Reports state that the Chicago, Burlington & Quincy R. R. will begin the erection of two depots, one for freight and the other for passengers, and make various other improvements, at a total cost of $300,000.

ST. LOUIS, MO.—Plans have been prepared for the erection of an apartment on Cabanne Ave. by Paul Jones and Harvey L. Christie after plans by Chas. K. Ramsey, Arch. It will cost about $60,000.——It is proposed to incorporate a company under the name of the Regina Real Estate Co., with a capital stock of $800,000, for the purpose of building a hotel at Grand and Washington Aves. for Henry de Penaloza.

BEAUMONT, TEX.—The Y. M. C. A. will build a new building, to cost $50,000. A committee has been appointed to prepare plans. Geo. W. Carroll, Pres.

SAN MARCOS, TEX.—Bids are asked until Dec. 16 for the construction of a building for the Southwest Texas Normal School at San Marcos. Joseph D. Sayers, Gov.

NORMAN, OKLA.—Bids are asked until Dec. 6 for the construction of a university building at Norman. D. L. Larsh, Secy.

DENVER, COLO.—The Denver Dry Goods Co. plans to erect a $50,000 warehouse at 12th and Wazee Sts., to be five stories, 60 × 120 ft., at a cost of $50,000. F. E. Edbrooke, Arch.——A. T. Lewis & Son will build a 4-story fireproof building on the site now occupied by the Bancroft Block.

SALEM, ORE.—Bids are asked until Jan. 7 for the installation of the conduit and wiring system at the P. O. building in this city. James Knox Taylor, Supervising Arch.

LOS ANGELES, CAL.—The California Hospital Co. has purchased a site for a sanitarium in this city, to cost $35,000.

SALT LAKE CITY, UTAH.—The damage done to property by the series of earthquakes on Nov. 13 and 14, it is reported, will amount to about $500,000.

MONTREAL, QUE.—Bids are asked until Nov. 27 for the plumbing, heating and ventilating of a building for the Bank of Montreal. Andrew T. Taylor, Arch., 43d St. Francois Xavier St., Montreal.——The fire department of this city has asked for an appropriation of $40,000 for new fire stations.

OTTAWA, ONT.—Bids are asked until Nov. 27 for the erection of an observatory building at the Central Experimental Farm. Fred. Gelinas, Secy. Dept. Pub. Wks.

WATER-WORKS.

ASHFIELD, MASS.—The legislature will soon be asked to allow this place to build works.

ATTLEBORO, MASS.—The selectmen will soon buy a few tons of water mains, according to reports.

RUSSELL, MASS.—Reports state that arrangements are being made for constructing works.

SOUTH NORWALK, CONN.—This place has voted $30,000 for a new pipe line, and also a sum for sewers. About $10,000 more will be needed for a new dam, etc., in Wilton. L. H. Nash and Christian Swartz, Water Comrs.

FORT PLAIN, N. Y.—F. K. Baxter, of Utica, has submitted a report and estimates for improving the works, to cost $23,000.

GOSHEN, N. Y.—J. H. Fuertes, of New York, has submitted a report on the proposed improvements to the works.

HORSEHEADS, N. Y.—This place is reported as considering the question of works and an electric plant.

NIAGARA FALLS, N. Y.—The Depew & Lake Erie Water Co., W. B. Cutter, Pres., has offered to buy the city works for $225,000.

OWEGO, N. Y.—The Owego Water-Works Co. has secured a new 10-year contract to furnish this place with water. The company has purchased a 100-HP. boiler from the Union Iron Works, of Erie, Pa.

PORTLAND, N. Y.—Sherman Collins is reported as preparing to build works for this place.

ROCKVILLE CENTRE (L. I.), N. Y.—This place has voted to issue $10,000 in bonds for extending the works.

TARRYTOWN, N. Y.—P. S. Merritt, Engr. and Supt. for Const'n., writes us only $5,000 was voted for the proposed distributing reservoir and not $50,000, as recently noted. The reservoir will have a capacity of 1,000,000 gallons. The work will be done in the spring.

UTICA, N. Y.—We are informed that on Nov. 15 the Whitestown Water-Works Co., of Whitesboro, N. Y., who owns valuable water rights on Fish Creek, a stream in northern New York, secured a franchise giving it the right to lay pipe, etc., in the City of Utica, and proposes to begin at once, the construction of the necessary plant. The construction will embrace a dam, about 20 miles of main and other structures. H. S. Patten, Supt. and Gen. Mgr., Utica; W. G. Stone, Engr., Utica.

ABSECON, N. J.—A company with a capital of $100,000 has been incorporated by C. Taylor Leland, of Newton, Pa., P. D. Wanner, of Reading, Pa., and J. Byron Rogers, of Pleasantville, N. J., to build works for this place and Pleasantville.

ATLANTIC CITY, N. J.—Bids are asked until Dec. 9 for furnishing ball-joint water pipe and flange pipe, as stated in our advertising columns. W. C. Hawley, Supt. Water Comrs.

EAST ORANGE, N. J.—This city will vote Dec. 17 on the question of the municipal ownership of the works.

LONG BRANCH, N. J.—An election will soon be held to vote on the question of awarding a 10-year contract to the Long Branch Water Supply Co.

MATAWAN, N. J.—Bids are asked until Nov. 30 for the services of a consulting engineer to make surveys, plans, etc., for works to cost about $34,000, as stated in our advertising columns. G. B. Shepherd, Secy. Water Com.

DUNCANSVILLE, PA.—Reports state that this place is preparing to build works.

MONACA, PA.—The Monaca Water Co. has offered to buy the works owned by this borough for $35,000, the town to have the right to purchase the plant at the end of 20 years.

NORTH WALES, PA.—The North Wales Water Co. has increased its capital to $20,000, and proposes to enlarge the plant.

OAKGROVE, PA.—The Clinton Water Co., the Tiadagton Water Co. and the Chatham Run Water Co. have been incorporated with a capital of $1,000 each.

POTTSTOWN, PA.—The Pottstown Water Co. proposes to improve its works at a cost of $20,000.

READING, PA.—W. W. Light, representing local parties, has offered to buy the city works and to erect filter plants, etc.

YORK, PA.—The Royalton Water Co. has been incorporated with a capital of $1,000 each.

HAMPTON, VA.—The ordinance committee has reported in favor of granting a franchise for new water-works to A. L. Osgood and James M. Cumming. The water supply is to be secured from New Market Creek.

LYNCHBURG, VA.—W. C. V. Randolph, Supt. Water-Works, has recommended new machinery for the works, the installation of meters, etc. J. W. Craddock, Chn. Water Com.

RICHMOND, VA.—The promoters of the scheme to furnish Richmond with water from Swiffs Creek are preparing to submit a proposition to the council. The works will cost about $1,500,000. A local report states that Superintendent Bolling and City Engineer Cutshaw are not in favor of allowing private parties to furnish a new supply.

CONCORD, N. C.—Q. E. Smith, Cy. Engr., writes us that the city has one well 500 ft. with a capacity of 60 gallons of water per minute, and is now sinking another for the new works. Pop., 8,000.

FLORENCE, S. C.—Hite-Smith & Minshall, of Norfolk, Va., have been engaged to prepare plans for works.

WAYNESBORO, GA.—The legislature has been asked to grant this place authority to issue bonds for works and an electric plant.

TUSCUMBIA, ALA.—J. M. Hughes and W. H. Dempsey, of Beaver Falls, Pa., have submitted a proposition to install works and an electric plant, construction to be commenced by January.

BILOXI, MISS.—An election will soon be held to vote on the question of the town's purchasing the water-works and electric plant.

ABBEVILLE, LA.—The East Side Canal Co. has been organized with a capital of $250,000 to build irrigation canals, etc. Dr. C. J. Edwards, Pres.; D. L. McPherson, Secy. and Treas.; R. A. Broussard, Mgr.

HOUMA, LA.—Bids are asked until Dec. 20 for the purchase of $27,000 of 30-year 5% bonds for constructing the proposed works. Dreux Angers, Town Clk.; H. M. Wallis, Jr., Mayor.

JENNINGS, LA.—The question of building works and a sewerage system is again being considered. The question was defeated at an election held last year.

MANSFIELD, LA.—E. J. O'Brien, of Birmingham, Ala., has been awarded the contract for building works and an electric plant.

NEW ORLEANS, LA.—Frank T. Howard is reported to have been appointed receiver for the New Orleans Water-Works Co.

PRINCETON, KY.—The mayor writes us that the proposition to issue bonds for works was defeated at the recent election.

CINCINNATI, O.—The water commissioners, according to local reports, have cancelled the contract with the W. J. Gawne Co., of Cleveland, O., for constructing the western section of the tunnel between the eastern and western pumping stations. New bids will be asked at once. The contract was let to the Gawne Co. July 17, 1900, for building 7,100 ft. of tunnel for $308,164. It is understood that about 1,839 ft. of the work has been done. The contract was to be completed Aug. 1, 1902. G. Bouscaren, Ch. Engr.

COLUMBUS, O.—Mayor Hinkle is urging the connection of the east and west side pumping stations, at a cost of $48,000.

ELYRIA, O.—Reports state that the trustees of Lorain, O., have submitted a proposition to furnish this city with a water supply. This place has made several efforts to build its own works at a cost of $300,000.

MADISONVILLE, O.—The council is arranging to improve the works, to include a stand-pipe, new pump, etc., for which $25,000 in bonds were recently issued.

MANTUA, O.—We are informed that bids were not received last week for building works, owing to readvertisement of the bonds. The work will again be advertised in the early spring. L. E. Chapin, Engr., Canton, O.

SPRINGFIELD, O.—Bids are asked until Dec. 17 for the purchase of $10,000 of bonds for the improvements to the works. R. H. Lantz, Cy. Clk.

WELLSVILLE, O.—Another election will soon be held to vote on the question of issuing $60,000 in bonds for new gravity works and otherwise improving the works. A. P. Dennis, Mayor.

WEST MILTON, O.—The council has received two propositions to furnish this place with a water supply.

BATESVILLE, IND.—The Batesville Water-Works Co. has been incorporated with a capital of $20,000 by John Hillenbrand, Anthony W. Romweber and Aug. L. Freeman.

ANN ARBOR, MICH.—Reports state that a report will soon be submitted by Riggs & Sherman, of Toledo, O. to Mayor Copeland for the purchase by the city of the works of the Ann Arbor Water-Works Co.

BEAVERTON, MICH.—J. J. Yeo, Clk., writes us that a contract for works has been let to the Home Engine Co., of Indianapolis, Ind.

CARLINVILLE, ILL.—The C. & A. R. R. has let the contract for building a 35,000,000-gallon reservoir to C. J. Mullville, of Alton, Ill.

CHICAGO, ILL.—The department of public works will ask for $2,000,000 for constructing a tunnel and pumping station, $70,000 for a new superstructure for the Lake View crib, and $200,000 for improving the two-mile crib. John Spengler, Acting Cy. Engr.

ELGIN, ILL.—R. R. Parkin, Supt. Water-Works, writes us that the city is figuring with three or four parties with a view to securing a new water supply, and are also investigating methods for handling the present artesian water supply. A shaft will soon be sunk and a plant to lift the water to the surface installed. Pop., 25,000.

FLORA, ILL.—The Southern Illinois Electric Light Co. has been granted a 30-year franchise to build and operate water-works. The contract was recently let to the A. M. Searles Co., of Chicago, Ill., for $62,000. The water supply will be secured from the Little Wabash River.

PEORIA, ILL.—The Peoria Water Co. has been asked by the council to extend its mains at a cost of about $75,000.

TOULON, ILL.—The question of works is being considered.

GLENELLYN, ILL.—The question of works and an electric plant is being considered. O. D. Dodge, Village Pres.

CADOTT, WIS.—S. A. Kean, of Chicago, has purchased $10,000 of water bonds issued by this town.

MILWAUKEE, WIS.—P. H. Connolly, Councilman from Ward Five, is urging the extension of the water mains to Jones Island.

PRAIRIE DU CHIEN, WIS.—Plans and specifications for works are reported as being prepared. An election to vote on the question will soon be held.

TWO RIVERS, WIS.—This place has voted to issue bonds for the purchase of the works and electric plant.

BONAPARTE, IA.—The question of extending the water mains at a cost of about $4,000 is being considered.

DULUTH, MINN.—The council has voted an appropriation of $60,000 for extending the water mains. A number of street and sewer improvements are also proposed.

HENDRICKS, MINN.—Bids are asked until Nov. 22 for constructing works to include 75 tons of pipe, hydrants, gasoline engine, pump, well, steel tower and tank, etc. J. J. Flather, Engr., Minneapolis; R. M. Burlingame, Recdr.

SOUTH ST. PAUL, MINN.—Reports state that this place will build works to cost about $10,000.

WILMONT, MINN.—Reports state that this place will vote Nov. 26 on the question of issuing $5,000 in bonds for works and a sewerage system.

ATCHISON, KAN.—J. W. Orr, Mayor, writes us that it is intended to apply to the district court for appointment of commission to condemn the works of the Atchison Water Co., and to fix a price for the city to pay for the purchase of the same. Mr. Orr asks for the names and addresses of hydraulic engineers in the middle west. Pop., 17,000.

WICHITA, KAN.—The Wichita Water Co. is purchasing materials for the proposed extensions to the works to cost $50,000.

SELBY, S. DAK.—Arrangements are reported as being made for supplying this place with water and gas.

SIOUX FALLS, S. DAK.—L. P. Wolff, of Red Wing, Minn., has been engaged to prepare plans for the proposed works to cost about $210,000.

CHEYENNE, WYO.—An election will soon be held to vote on the question of issuing bonds for improving the works at a cost of about $100,000, to include two reservoirs, etc., and the sewerage system. Address Mayor J. L. Murray.

LEWISTOWN, MONT.—G. W. Cook, Mayor, writes us that the town proposes to build works to cost $40,000 and a sewerage system to cost $10,000, the bonds having been voted Nov. 12. The water will probably be pumped by water power to a reservoir from Spring Creek. Bids for the bonds will soon be asked.

CARUTHERSVILLE, MO.—Bids are asked until Dec. 2 for furnishing the materials and for constructing works. Geo. Cadagan Morgan, Engr., 808 Royal Insurance Bldg., Chicago; H. T. Byars, Mayor; H. C. Schult, Clk.

KANSAS CITY, MO.—O. W. Longwell, Supt. W.-W., writes us that it is proposed to build 5,400 ft. of 30-in. cast-iron main, as an auxiliary to the 36 and 30-in. flow line; estimated to cost $31,000. The contract for furnishing valves, it is stated, has been let to the U. S. Steam & Water Supply Co.

KIRKWOOD, MO.—Four bids were received by the council Nov. 9 for furnishing this city with a water supply. Two of the bids are for furnishing water from the Missouri River and two for water from the Meramec River. An election to vote on the propositions will be held Nov. 30.

LEBANON, MO.—Reports state that Jas. W. Garneau, of St. Louis, Mo., has purchased the control of the Lebanon Light & Magnetic Water Co. for $25,000. It is stated that improvements will be made.

AUSTIN, TEX.—Judge Morris has made permanent the injunction restraining this city from purchasing the works of the Austin Water, Light & Power Co., for $175,000.

MARLIN, TEX.—Wm. Shelton, Mayor, writes us that the contract for works has been let to A. R. Wright, Gonzales, Tex.

THORNDALE, TEX.—John Weiss is reported to have been awarded the contract by local parties to drill wells for a water supply.

COLORADO SPRINGS, COLO.—The council is preparing ordinances directing the large users of water to install meters.

FLORENCE, COLO.—A. B. McFall, Cy. Engr., writes us that he has been requested to prepare plans and specifications for a reservoir of 50,000,000 gallons capacity; estimated cost, $10,000.

TRINIDAD, COLO.—Bids are asked until Dec. 16 for constructing a reservoir and other improvements to the works, as described in our advertising columns. F. R. Wood, Mayor; O. B. Humphreys, Cy. Clk.

GUTHRIE, OKLA. TER.—T. A. White Cy. Engr., writes us that J. A. Severens will begin work at once on his contract to construct three wells of 20-ft. diameter by 40 ft. deep, to be connected on the water level with tile conduits, to cost $11,200.

SOUTH McALESTER, IND. TER.—Local parties are reported as arranging for works for this place, according to reports.

MARYSVILLE, WASH.—The Marysville Water, Light & Power Co. proposes to build at once water-works and an electric plant. The water supply will be secured from Lake Stevens.

LA GRANDE, ORE.—S. R. Haworth, W. G. Masterson and F. E. Enloe, of La Grande, have formed a company with a capital of $10,000 to build a water and power plant on Morgan Lake, near La Grande.

SUMPTER, ORE.—Hobson & Keyler are making surveys for a new reservoir on Pole Creek for the Sumpter Water Co.

EUREKA, CAL.—A. W. Torrey, Mayor, writes us that this place will vote Dec. 16 on the question of buying the works.

OAKLAND, CAL.—A syndicate represented by R. G. Hanford, of Baltimore, Md., and who is interested in the Market St. railway deal in San Francisco, has been formed to build works to furnish this city with a water supply to cost $2,500,000. A power plant to develop 3,000 HP. will also be installed and a dam built on Isabel Creek. W. A. Otis & Co., Bankers, of Cleveland, O., and Colorado Springs, Colo., are interested.

SAN FRANCISCO, CAL.—The supervisors have passed a resolution of intention to enter into negotiations for permanent acquisition by city and county, by construction or purchase of water-works, and to formulate and submit a proposition at special election. J. A. Russell, Clk.

ONTARIO, CAL.—The San Antonio Water Co. has been incorporated with a capital of $1,500,000 by Geo. Chaffey, Jr., J. C. Dunlap and G. D. Cunningham.

SACRAMENTO, CAL.—This city has voted in favor of the proposition to have filtered water. It is stated that $400,000 of bonds will be issued next year to improve the works.

PHOENIX, ARIZ.—Bids are asked by the council until Nov. 25 for the purchase of $30,000 of bonds for the proposed new works. The new water supply will be secured from bored wells.

GLACE BAY, N. S.—The town engineer is preparing plans for works, the water supply to be secured from Lake McDonald, about six miles from town.

SARNIA, ONT.—Reports state that this place is considering the question of rebuilding the works.

QUEBEC, QUE.—J. Gallagher, Mgr. water-works, has been sent to visit New York and Newark, to study the latest water-works improvements. This city proposes to spend $100,000 on improvements to its works.

SYDNEY, C.B., CAN.—W. T. Jennings, Engr., Toronto, Ont., has submitted a report recommending the pumping of the water supply from Middle Lake to a 54,000,000-gallon reservoir to cost $200,000.

NANAIMO, B. C.—The Nanaimo Water Co. proposes to extend its mains, etc., at once.

SEWERAGE.

LOWELL, MASS.—The city engineer and the superintendent of streets have been instructed to furnish estimates for constructing a trunk sewer for Oakland, to run through Tewkesbury, and also for a pumping system. The trunk sewer will cost about $200,000.

PITTSFIELD, MASS.—Bids are asked until Nov. 26 by the board of public works for building a sewage pumping station and screen house.——An ordinance has been introduced into the council providing for an appropriation of $117,000 for sewer construction.

SOUTH NORWALK, CONN.—A resolution has been passed appropriating $14,500 for relaying or repairing the sewers and for paving in East Washington St.

BINGHAMTON, N. Y.—Bids are asked until Nov. 29 for constructing a sewer in Irving Ave. I. C. Hull, Cy. Clk.

CANANDAIGUA, N. Y.—A petition for a sewer on Beals St. has been granted. Address Engineer Welch.

MT. VERNON, N. Y.—Blodgett, Merritt & Co. have been awarded $40,000 in sewer bonds.

NEWTON, N. Y.—William Hart, Brooklyn, has been awarded a contract for constructing a sewer from Winfield to Newton and a disposal plant on Broadway, at $182,000.

SANDY HILL, N. Y.—The $62,500 issue of sewer bonds has been awarded to W. J. Hayes & Sons, Cleveland, O.

SARATOGA SPRINGS, N. Y.—Bids are asked until Nov. 22 for constructing 8-in. sewers, with 6-in. house connections, in two streets. H. F. Thomas, Clk. Sewer, Water and St. Comr.

WARRENBURGH, N. Y.—The question of constructing sewers at a cost of $3,500 has been acted on favorably by the town board. H. S. Clark, Town Clk.

MOORESTOWN, N. J.—The lowest bid received on Nov. 14 for completing sewerage system and disposal plant was that of David Peoples, Philadelphia, $42,011.

PASSAIC, N. J.—The engineers engaged by the state sewerage commission to examine the reports of local engineers on the subject of the Passaic River purification will report in favor of a brick trunk sewer which will be about 19 miles long and probably cost about $12,000,000.

PASSAIC, N. J.—The Union Building & Construction Co. has been awarded a contract for constructing a sewer in Central Alley and Monroe St., at about $4,000.

IRWIN, PA.—The $50,000 issue of improvement bonds has been sold, and the work of constructing sewers and paving will commence at once.

LANCASTER, PA.—It is reported that the question of issuing $265,000 in bonds for constructing sewers will be voted on at the spring election.

TITUSVILLE, PA.—Mayor J. J. McCrum writes us that the proposition to issue $12,000 in bonds for purchasing the mill race to be used as the location for a public sewer was defeated at the special election on Nov. 12. No other work is contemplated this year.

HIGH POINT, N. C.—H. M. Kerschner writes us that it was voted on Nov. 9 to issue $50,000 in bonds for a sewerage system and for completing the water-works.

LA GRANGE, GA.—The council is considering the question of a sewerage system, according to reports.

MONTGOMERY, ALA.—It is reported that the council is considering a sewerage system plan.

NATCHEZ, MISS.—Efforts are being made to secure a sewerage system and water-works for this city.

NASHVILLE, TENN.—The $200,000 issue of sewer and street improvement bonds has been sold to the First National Bank.

HENDERSON, KY.—Bids have been ordered advertised for constructing sewers in three streets. Address City Engineer Kimmell.

LEXINGTON, KY.—The question of sewage disposal is being considered by the council. It is proposed to use the cremation or the irrigation system. Address Mayor Duncan.

CLEVELAND, O.—It is reported that the next legislature will be asked to authorize the issuance of millions of dollars in improvement bonds. It will take $3,000,000 to complete the intercepting sewerage system, $800,000 to complete the Edgewater Park Boulevard, and improvements are contemplated for the lake front and the Cuyahoga River. Chas. P. Salin, Director Pub. Wks.

GLENVILLE, O.—Bids are asked until Nov. 29 for constructing a storm water sewer, with appurtenances, in Eddy Road, and for a sanitary sewer, with appurtenances, in Park St. Ira C. Farley, Village Clk.

MARION, O.—Ed. S. Ault, Cy. Engr., writes us that bids are asked until Nov. 30 for constructing 718 lin. ft. of 8-in. and 718 lin. ft. of 6-in., 600 ft. of 4-in. pipe sewers, one flush tank and two manholes in South High St.

NEW PHILADELPHIA, O.—Bids are asked until Nov. 28 for constructing about one-half mile of storm water sewer. Paul R. Murray, Engr.——Adams Bros., Janesville, have been awarded a contract for constructing about 2½ miles of pipe sewer.

STEUBENVILLE, O.—Bids are asked until Nov. 21 for constructing a 12-in. sewer in South St. Wm. M. Trainer, Cy. Clk.

DELRAY, MICH.—The question of issuing $56,200 in bonds for a sewerage system will be voted on again on Dec. 3.

CHICAGO, ILL.—Bids are asked until Dec. 6 for designing, furnishing and erecting four pumping engines, to pump sewage and storm water, as follows: Two triple-expansion horizontal condensing engines, each direct-connected to one submerged centrifugal pump, to discharge 75 cu. ft. per second; two triple-expansion horizontal condensing engines, each direct-connected to one submerged centrifugal pump, to discharge 250 cu. ft. per second, as stated in our advertising columns. F. W. Blocki, Comr. Pub. Wks.

SADORUS, ILL.—Bids are asked until Nov. 23 for furnishing and also for laying at Tolono, 2,230 ft. of 18-in., 4,800 ft. of 16-in., 4,141 ft. of 14-in., 2,780 ft. of 12-in. and 730 ft. of 8-in. tile. G. W. B. Sadorus, J. G. Chambers, Commissioners of Two-Mile Slough Drainage District.

FAIRMONT, MINN.—An engineer has been engaged to prepare plans for a sewerage system and disposal plant.

WEST DULUTH, MINN.—The question of a sewerage system is being agitated by the residents of this city.

SALINA, KAN.—Bids are asked until Dec. 2 for constructing a sewer. A. W. Godfrey, Cy. Clk.

LEWISTOWN, MONT.—G. W. Cook, Mayor, writes us that sewers will be built, at a cost of $10,000.

BEAUMONT, TEX.—Irwin Bros., Wellsville, O., have been awarded a contract for constructing sewers, at $75,000.

CANON CITY, COLO.—S. L. Hovey, Florence, has been awarded a contract for constructing a sewerage system at $44,795.

BAKERSFIELD, CAL.—The city engineer has been directed to furnish plans for lateral sewers in seven blocks.

CHICO, CAL.—E. H. Rollins & Son have been awarded the $45,000 issue of sewer bonds.

PASADENA, CAL.—Reports state that City Engineer Allin will present plans to the council for over three miles of pipe sewer, at an estimated cost of about $12,000.

SAN FRANCISCO, CAL.—A bill has been finally passed by the supervisors ordering the construction of the extension of Sunset main sewer to its outfall, at a cost of $40,000.

SONORA, CAL.—Bids are asked until Nov. 26 for constructing a sewer. Chas. E. Street, Cy. Clk.

UKIAH, CAL.—Reports state that the survey for a sewerage system at the state hospital has been made and that nearly 5,000 ft. of 10-in. pipe will be laid.

TORONTO, ONT.—Bids are asked for constructing a sewer in Russet Ave. G. A. Howland, Mayor.

GARBAGE DISPOSAL—STREET CLEANING

BUFFALO, N. Y.—The board of public works will soon want bids for the collection of the ashes, garbage, etc., once a week until May 1.

LONG ISLAND CITY (L. I.), N. Y.—The board of health of New York city has refused to grant a franchise to the New York Crematory Co. to build a plant here to cost $50,000.

NEW BRUNSWICK, N. J.—The board of health is considering the question of building a crematory.

NEWPORT NEWS, VA.—Bids are asked by the city clerk until about Dec. 10 for constructing a garbage disposal plant.

CANTON, O.—C. C. Loyd, Cy. Clk., writes us that the following bids were received Nov. 16 for furnishing and installing a garbage crematory: Dixon Garbage Crematory Co., Toledo, O., $19,985; American Incinerating Co., Toledo, O., $17,400.

GALESBURG, ILL.—The mayor is reported as urging the construction of a crematory, to cost about $30,000.

DALLAS, TEX.—Bids are asked until Dec. 12 for furnishing and installing a garbage disposal plant, as stated in our advertising columns. Hugh Raines, Cy. Engr.

STREETS AND ROADS.

BOSTON, MASS.—Bids are asked until Nov. 21 by the Massachusetts Highway Commission, 20 Pemberton Square,, for building about 3,800 ft. of highway in the town of Mansfield.

HUNTINGTON (L. I.), N. Y.—Highway Commissioner Denton has presented a petition to the town board asking an appropriation for a survey of the shore front and providing for laying out a shore drive about 30 miles in length.

NEW YORK, N. Y.—The following bids were received on Nov. 15 by the park board for resurfacing and repairing asphalt walks in Prospect Park, Brooklyn: Sicilian Asphalt Paving Co., New York, $11,362; Cranford Co., Brooklyn, $10,785; T. Hugh Boorman, 32 Broadway, New York, $10,740 (awarded contract).

UTICA, N. Y.—The $46,000 issue of paving bonds has been sold to Isaac W. Sherill, Poughkepsie. Address City Clerk Cantwell.

CAMDEN, N. J.—J. J. Albertson, County Engr., Magnolia, informs us that the following bids were received on Nov. 11 for constructing the Clementon and Gibbsboro Road: Robert McGill, Eriel, $4,490; Russel & Sickler, Sicklerville, $4,113.

PLAINFIELD, N. J.—A resolution has been adopted by the council ordering an issue of $3,000 in bonds for improving Somerset St. Robert Clark, Jr., Chn. St. Com.

TRENTON, N. J.—Bids are asked until Dec. 3 for paving with asphalt and brick in State and Passaic Sts. C. Edward Murray, Cy. Clk.

ERIE, PA.—An ordinance is before the council providing for an issue of $23,000 in bonds for repaving around Central Park.

IRWIN, PA.—Reports state that there is $60,000 available for paving and that all the streets are to be paved.

PITTSBURG, PA.—Bids are asked until Nov. 23 for grading, paving and curbing in Moultrie St. and for constructing a foot bridge across the B. & O. R. R. at Melancthon St. Edward M. Bigelow, Director Pub. Wks.——The highway committee has reported favorably on an ordinance authorizing the opening up of 10 streets in the southern section of the city, and it is the intention of the trustees of the Girard estate to erect perhaps 2,000 houses in that section, at a cost of several million dollars, as soon as the streets are opened up.

WILKINSBURG, PA.—Bids are asked until Nov. 30 for the purchase of $60,000 in street improvement bonds.

NEWPORT NEWS, VA.—Bids are asked until Dec. 14 for paving with asphalt, asphalt block, brick, granite block or wood block in eight streets, at a cost of about $250,000, as stated in our advertising columns. E. W. Robinson, Chn. St. Com.; W. L. Cooke, Cy. Clk.

GOLDSBORO, N. C.—Geo. E. Hood, Mayor, writes us that plans have not been decided upon, but that they wish to expend $20,000 for paving.

SALISBURY, N. C.—The proposition to issue $90,000 in bonds for street improvements was defeated on Nov. 9.

SCOTTSBORO, ALA.—Reports state that bids are wanted by President Skelton, County Pike Road Comr., for building about four miles of macadam road.

BILOXI, MISS.—The council has passed an ordinance providing for the issuance of $3,500 in bonds for repairing the beach drive.

FRANKFORT, KY.—Bids are asked until Nov. 22 for constructing granitoid sidewalks in St. Clair St. W. S. Dehoney, Mayor; Ben Marshall, Cy. Clk.

LOUISVILLE, KY.—Bids are asked until Nov. 25 by the board of public works for 5,900 ft. of asphalt paving in three avenues. Former bids, amounting to $73,800, have been rejected.

ALLIANCE, O.—Resolutions have been adopted for paving with brick or asphalt in 13 streets and alleys.

CINCINNATI, O.—Bids are asked until Dec. 6 for grading, macadamizing, constructing culverts, drains, etc., in Imperial St. Robert Allison, Pres. Bd. Pub. Service; Geo. F. Holmes, Clk.

CINCINNATI, O.—Bids are asked until Dec. 14 for improving two roads and for masonry on one road, in Symmes Township. Eugene L. Lewis, County Audr.

CLEVELAND, O.—A resolution has been adopted by the council for grading, draining, etc., and paving with brick in Meridian St. Chas. W. Toland, Cy. Clk.

EVANSTON, O.—Bids are asked until Dec. 11 for the purchase of $27,999 in bonds for improving Duck Creek Road. Frank F. Dinsmore, 50 Atlas Bank Bldg., Cincinnati; A. J. Chambers, Village Clk.

NEWBURG, O.—Bids are asked until Dec. 4 for grading and draining Krapf Hill and Independence Road. William H. Evers, County Surv.

TOLEDO, O.—Bids are asked until Dec. 2 instead of Dec. 3, as reported last week, for asphalt paving in Superior St. John E. Connell, Cy. Clk.——The following were the lowest bidders for block paving in Lincoln Ave.: James Sheehan, Athens block on concrete, $12,291, and on sand $10,359; Buckeye on concrete, $12,832.57, on sand, $10,494; Harris pavers on concrete, $12,832; Massillon on concrete, $12,561, on sand, $10,291; Metropolitan block on concrete, $12,832, on sand, $10,494; Nelsonville on concrete, $12,764, on sand, $10,426; Perkins on concrete, $12,629, on sand, $10,359; Wassell on concrete, $12,832, on sand, $10,494; asphalt blocks on sand, $10,076, on broken stone, $18,584. H. G. Jennison, Buckeye and Harris blocks on sand, $10,352; Logan blocks on concrete, $12,909, on sand, $10,623; macadam on concrete, $12,769, on sand, $10,623; Porter blocks on concrete, $12,909, on sand, $10,623; Twentieth Century on sand, $10,623. Patrick Tansey, Lorain blocks on concrete, $12,909, on sand, $10,623, and asphalt blocks on concrete, $20,086. H. P. Stresher, Porter and Logan blocks, with Medina curb, Twentieth Century on concrete, $12,799; asphalt on concrete, with Medina curb, $21,179.——A resolution has been passed for paving with different varieties of blocks in Greenwood Ave.

INDIANAPOLIS, IND.—Bids are asked until Dec. 5 for constructing 13.9 miles of gravel roads in Turman Township. J. M. Lang, County Audr.

PETERSBURG, IND.—Bids are asked until Dec. 4 for constructing 24 miles and 1,800 ft. of rock or gravel roads in Washington Township. N. H. Scales, County Audr.; Thos. Whitman, Chn. County Comrs.

SOUTH BEND, IND.—The board of public works has instructed the engineer to prepare plans and specifications for paving in certain streets, work to be done in the spring.

BENTON HARBOR, MICH.—The board of trade has decided to request the council to call an election to vote on the question of issuing $200,000 in bonds for park and street improvements.

GROSSE POINTE, MICH.—The question of paving in Jefferson Ave. with cedar blocks instead of macadam is being considered.

CANTON, ILL.—Bids are reported asked until Nov. 22 for paving in North Third Ave. Address City Engineer Chandler.

CHICAGO, ILL.—Bids are asked until Nov. 26 for plastering curb walls, constructing granite concrete curb and gutter, grading and paving with asphalt in three streets and paving with slag and broken limestone in 10 streets. Bernard F. Rogers, Pres. Bd. Local Improvements.——State St. has been ordered paved with asphalt from 26th to 39th St., at an estimated cost of $108,500.

ELGIN, ILL.—Smith, Moss & Brown, Chicago, have been awarded a contract for brick paving in North St., at $5,747.

JOLIET, ILL.—Bids are asked until Nov. 25 for paving Collins and Benton Sts. with asphalt. Laverne H. Hopper, Clk. Bd. Local Improvements.

OTTAWA, ILL.—Van Buren St. has been ordered macadamized for five blocks, at an estimated cost of $2,672.

GREEN BAY, WIS.—Bids are asked until Nov. 23 for asphalt paving in Monroe Ave. Frank E. Murphy, L. W. Kennitz, Committee on Streets.

DULUTH, MINN.—A resolution has been adopted directing the city engineer to prepare estimates of the cost of paving East Superior St. from Third to 25th Aves. with brick or asphalt.

TOPEKA, KAN.—The streets and walks committee has reported favorably on the petition for about one mile of brick paving in East Eighth Ave.

YELLOWSTONE PARK, WYO.—Reports state that $250,000 will be appropriated next year for macadamizing the roads in the park.

ST. JOSEPH, MO.—An ordinance has been passed instructing the city engineer to advertise for bids for brick paving, etc., in 13th St. Frank W. Beach, Cy. Clk.

BEAUMONT, TEX.—Bids are asked until Dec. 3 for constructing approximately 30,000 sq. yds. of brick or asphalt pavement or shell macadam; also for approximately 9,000 lin. ft. of brick, stone or concrete curbing; estimated total cost, $70,000. T. C. King, Cy. Secy.; D. P. Wheat, Mayor; Merritt W. Yeater, Special Engr.

DENVER, COLO.—Bids are asked until Nov. 23 for the purchase of $7,500 in street improvement bonds. R. W. Speer, Pres. Bd. Pub. Wks.; R. R. Wright, Jr., Mayor.

ROSEBURG, ORE.—The following bids were received on Nov. 11 for street improvements: C. A. Gray, Salem, $13,698; D. W. Taylor, Portland, $11,800; J. W. Sweeney, Portland, $11,000; J. R. O'Neil, Portland, $9,425; Lind & Manning, Portland, $9,400; S. C. Bartrum, Roseburg, $7,984; Fred. J. Blakely, Toledo, O., $6,979 (awarded contract).

PASADENA, CAL.—Reports state that the council is taking steps towards issuing $300,000 in bonds for street, park and boulevard improvements.

SAN FRANCISCO, CAL.—The following bids have been received by the board of public works for paving the Mission Road: Flinn & Treacy, bitumen, $34,265; Alcatraz Asphalt & Paving Co., asphalt, $29,396; Union Paving & Contracting Co., bitumen, $32,101; Fairchild &

Gilmore, asphalt, $35,572; Williams, Belser & Co., bitumen, $34,137; Alcatraz Asphalt & Paving Co., $29,296. For paving in Potrero Ave., City Street Improvement Co., $20,131; Union Paving & Construction Co., $21,748.

POMONA, CAL.—The city engineer has been instructed to establish grade on certain streets in anticipation of extensive street improvements.

SAN BERNARDINO, CAL.—The city engineer has been instructed to prepare plans and specifications for repaving in Third St.

MANUFACTURING PLANTS.

BUFFALO, N. Y.—The Taylor Signal Co. has purchased a site on Elmwood Ave. for a new factory to be two stories, fireproof, with a 250-ft. front. About 400 men will be employed. Esenwein & Johnson, Archs.

SYRACUSE, N. Y.—The Warner-Quinlan Asphalt Co. has secured land for the proposed new plant to be erected in Fulton St., near Division St. It is said that 100 men will be employed in the new establishment, and that an electric lighting plant will be erected in conjunction will the new works.

COLUMBIA, PA.—Capitalists headed by John Q. Denney, of the Susquehanna Iron & Steel Co., have decided to build a pipe mill and rolling mill here provided the citizens contribute $20,000 before Dec. 20. The pipe mill, it is said, will have an annual capacity of 30,000 tons, while the rolling mill will have an annual capacity of 20,000 tons of skelp iron. The two mills together will employ from 1,000 to 1,200 men.

HARRISBURG, PA.—Plans have been prepared for improvements to the plant of Blough Bros., to cost about $15,000.

HOMESTEAD, PA.—It is stated that the Carnegie Steel Co. will soon break ground for the building of a large structural works at this place, in connection with its present plant. The new works will roll angle iron and will have a capacity of something like 150,000 tons a year. The armor plate works will be rebuilt and the output increased from 500 to 600 tons.

LANGHORNE, PA.—J. F. Stuckert & Co., Archs., Philadelphia, have completed plans and invited estimates on a 3-story factory and dyehouse to be erected at this place. It will be 40 × 409 ft.; a dyehouse, 47 × 192 ft., will also be erected.

McKEESPORT, PA.—A new plant will probably be built in this city by the United States Drawn Steel Co. The company is now negotiating for a site for the new mills, which will employ about 200 men. The capital stock is $100,000.

NEW CASTLE, PA.—The plant of the Lawrence Ice & Storage Co. was destroyed by fire on Nov. 10, entailing a loss of about $150,000.

PHILADELPHIA, PA.—The contract for the construction of the new sugar refinery for the Pennsylvania Sugar Refinery, at Laurel St. wharf, has been let to A. Whitehead. The Phoenix Iron Co. will do the structural steel work. The building will cost about $200,000.

SHARON, PA.—Frederick L. M. Masury, New York city, has secured a site near this city for a chemical works to cost $100,000.

NORFOLK, VA.—The Anheuser-Busch Brewing Co. will erect a new building, enlarging its present plant. The improvements will cost about $200,000, and will include an ice plant.

ANDERSON, S. C.—Reports state that the Riverside Mills, at this place will be enlarged and 4,000 spindles added. The capital stock has been increased from $60,000 to $125,000, and the work will take place at once.

COLUMBIA, S. C.—The Anderson Phosphate & Oil Co. has been organized with a capital stock of $000,000, to manufacture fertilizers and cotton seed products. Fred. G. Brown, Pres.

THOMASVILLE, GA.—The Thomasville Bobbin Works, manufacturers of bobbins, skewers and cotton mill supplies, would like figures on the cost of dynamos for running 20 or 30 lights for its new plant.

ENSLEY, ALA.—Don H. Bacon, Pres. Tennessee Coal, Iron & R. R. Co., is reported to have said that the company will build a hoop and tie plant at this place, and will begin work immediately.

KNOXVILLE, TENN.—T. I. Stephenson, Gen. Mgr. Knoxville Iron Co., informs us that plans are not yet completed for the company's new buildings. There will be one building 80 × 375 ft., one 75 × 220 ft., and one 68 × 220 ft.; all of steel construction. A. L. Hammerbury, Arch., Birmingham.

INDIANAPOLIS, IND.—Vonnegut & Bohn, Archs., Indiana Trust Bldg., have completed plans for a 4-story building for R. Kirshbaum on Washington St., to be 67 × 185 ft., costing $42,000.

MOLINE, ILL.—The Deere & Mansur Co. is planning to make additions to its factory to cost between $200,000 and $700,000. A new machine shop, four stories high, 200 × 66 ft., will be erected; also a blacksmith shop, 225 × 80 ft., and a saddlery, 386 × 100 ft.

SEATTLE, WASH.—The chamber of commerce is discussing plans for securing two large ship yards for this place. One proposition has been received from the Hall Bros.' shipbuilding plant at Port Blakely.

SEATTLE, WASH.—Otto Meeske, of Muskegon, Mich., will establish a brewery in Seattle, to cost not less than $100,000.

SPOKANE, WASH.—The Excelsior Carbide & Gas Co. is to be incorporated with a capital of $150,000, to build in Spokane a calcium carbide and gas machinery factory. Fred. E. Elmendorf, C. H. Thompson and T. F. Ryan are interested.

SAN FRANCISCO, CAL.—Chicago capitalists are to erect a new flour mill here to cost $500,000. The company will be known as the McDonald Grain & Milling Co., which is now operating a large mill at Los Angeles.

MISCELLANEOUS CONTRACTS.

WHARF.—Oakland, Cal.—Plans have been completed for a wharf to be erected for the John L. Howard Co., according to reports.

TELEPHONE SYSTEM.—Los Angeles, Cal.—Bids are asked until Dec. 9 by the city clerk for a telephone franchise to run for a term of 50 years.

PIER.—Sea Isle City, N. J.—It is reported that a pier will be built 800 ft. out into the ocean at a cost of $20,000, to be completed before next season.

PIER REPAIRS.—San Francisco, Cal.—The Dundon Bridge & Construction Co. has been awarded a contract for repiling and repairing pier 17 at $10,004.

TELEGRAPH LINE.—Ottawa, Ont.—Bids are asked for constructing a telegraph line from Alberne, B. C., to Clayoquet, B.C., a distance of 75 miles. Fred Gelinas, Secy. Dept. Pub. Wks.

RIVER STRAIGHTENING.—Sioux City, Ia.—No bids were received on Nov. 12 for straightening the channel of the Floyd River, and the work will be readvertised. Address City Engineer Lewis.

CAR FERRY.—Jackson, Mich.—Reports state that the Pere Marquette R. R. will soon let a contract to one of the lake shipyard for constructing a car ferry at a cost of $400,000. Z. H. Kimball, Ch. Engr., Detroit.

BREAKWATER.—Milwaukee, Wis.—Preliminary plans have been made for building the first stretch of breakwater to make land for the proposed lake shore drive. Henry Weber, William A. Starke, Park Commissioners.

DOCKS.—Fairport, O.—Reports state that Pittsburg and New York capitalists are interested in a company to build docks on Lake Erie, to cost about $1,000,000. George H. Allen, Cleveland, may be able to give information.

COAL PIER.—Newport News, Va.—Reports state that it is understood that a deal has been closed for the site of the proposed coal pier and that bids will be asked for the work. C. J. Wittenburg, New York, Pres. Ohio Canal & Coke Co., is interested.

DRAINAGE.—Hannibal, Mo.—The engineers have reported to the commissioners of the Sny Levee and Drainage District, Illinois, as follows: For constructing ditches requiring about 3,441,646 cu. yds. of excavation, estimated cost $295,655. J. P. Lurton, District Engr.; Joel Dunn, Consult. Engr.

MOVING FIRE-ALARM CONDUCTORS.—New York, N. Y.—Bids are asked until Nov. 27 by the fire commissioner, 157 East 67th St., for moving fire-alarm electrical conductors from the center to the east side of Broadway, between 64th and 107th Sts., and reconnecting the same with the other portions of the system.

LIGHT-HOUSE.—Baltimore, Md.—Bids are asked until Dec. 16 for furnishing the materials (except metal work) and labor for constructing the Point-No-Point Lighthouse, Md., bids will be received at the same time for the metal work, as stated in our advertising columns. W. A. Jones, Lieut-Col., U. S. Engr, Post Office Bldg.

FIRE APPARATUS.—Montreal, Que.—Fire Chief Benoit has submitted to the council the following list of apparatus wanted for the coming year: Two 1,300-gallon steamers, $7,500 each; one 100-gallon double-truck chemical engine, $3,500; two hook and ladder trucks, $2,500 each; four 55 ft. extension Seagrave ladders, $240 each; twelve 20 to 30-ft. single Seagrave ladders, $450 (total); four water-tower attachments, $300 each; seven jumping nets, $30 each, and 24 hand extinguishers, $18 each; total $40,752.

U. S. POSSESSIONS AND CUBA

ROAD.—Porto Rico.—We are informed that Marix & Co., of San Juan, P. R., have been awarded the contract at about $44,250 for constructing the Humacao-Gurabo Road.

STORE BUILDING.—Honolulu, H. I.—E. O. Hall & Son, hardware and implement dealers, whose store was recently burned, have let contracts for a new building to cost $60,000.

LIGHT STATION.—Lincoln Rock, Alaska.—Bids are asked until Jan. 14 for erecting a light station at Lincoln Rock, as stated in our advertising columns. Capt. W. C. Langfitt, U. S. Engrs., Portland, Ore.

BUILDINGS.—San Juan, P. R.—We are informed that the board of education will soon ask for bids for a school building in Ponce. Bids will soon be asked for constructing the proposed Carnegie Library building in San Juan, to cost $60,000. M. G. Brumbaugh, trustee.

SEWERS AND PAVING.—Havana, Cuba.—Reports state that the municipal council has let the contract to Michael J. Dady, of Brooklyn, N. Y., representing the Pan-American Construction Co., for constructing the proposed sewerage system and paving at $10,913,858, a reduction of $572,036 from his bid submitted Oct. 23. The itemized bids were published in our issue of Oct. 31. This award will probably finally end the struggle for this contract.

PUBLIC IMPROVEMENTS. — Santiago-de-Cuba. — On Nov. 19 Governor General Wood gave directions for the carrying out of new public works, involving an outlay of hundreds of thousands of dollars. He ordered the construction of a sea wall half a mile in length, which will cost $50,000, and of a Custom House building. He issued instructions also for harbor dredging, for the completion of the sewer system and water-works, for the repair of roads and for the transfer of the prisoners from the jail to the old Spanish barracks, in order to make a courthouse out of the jail.

FOREIGN CONTRACTS AND EXPORT NEWS

TRAMWAYS.—London, Eng.—The London County Council proposes to build short underground tramways under the Strand at a cost of about $1,400,000.

ELECTRIC TRAMWAY.—Mexico City, Mex.—Reports state that work will begin at once on the Don Toribio y Santiago Electric Ry. in the Federal District.

RAILWAYS.—Japan.—The Japanese government proposes to issue about 10,000,000 yen to provide for the extension of the railroads and telegraph lines.

FACTORY.—Mexico.—Reports state that C. H. Sillae, Cenero Mercantile Bldg., Mexico City, is forming a company to build a $200,000 factory to manufacture electrical apparatus.

LIGHT-HOUSE.—Kent, Eng.—Bids are asked until Dec. 2 for constructing a light-house, fog signal house, etc., at Dungeness, County of Kent. E. G. Verity, Engr., 7 Great Marlboro St., London, S. W.

PIER.—Durban, Natal, S. A.—Bids are asked by Keith & Humphries, 43 Chancery Lane, London, W. C., Eng., for constructing a pier at Durban. R. St. George-Moore, Engrs., 47 Victoria St., London, S. W.

ELECTRIC TRAMWAY.—Buenos Aires, Argentina.—Reports state that work has been begun on the underground electric railway in Buenos Aires for the Metropolitan Co. Charles Bright, Electrical Engr.

HOMES.—Croydon, Eng.—C. Wall, of Chelsea, London, has been awarded the contract, at about $640,000, for erecting cottage homes at Woodside, Croydon. Newman & Newman, Archs., 31 Tooley St., London, S. E.

FILTRATION SYSTEM.—Cairo, Egypt.—Reports state that the Penn Erecting Co., 524 St., Philadelphia, Pa., is preparing plans for a filtration system for this city, to include two reservoirs of 50,000,000 gallons each.

BRIDGE, ETC.—St. Petersburg, Russia.—Reports state that the project of the American syndicate to build electric roads in St. Petersburg, to cost about $50,000,000, will include a large bridge over the River Neva. The franchise has been approved by M. Wette, Minister of Finance. H. Sellers McKee, Carnegie Bldg., Pittsburg, Pa., is interested.

TRAMWAYS.—Paris, France.—The N. Y. "Herald" reports that an American syndicate, headed by George Westinghouse, Pittsburg, Pa., is buying up the tramways of Paris. The Americans propose to spend millions in developing, improving and extending the lines now controlled by the Compagnie Generale de Traction. P. A. B. Widener, of Philadelphia, Pa., is interested.

RAILWAY WORK, ETC.—Chili.—The Chilian Senate has adopted a project authorizing the government to spend $4,100,000 in a period of four years for the purchase of locomotives and rolling stock, as well as for the enlargement and construction of repair shops, and the maintenance of the permanent bridges and fixtures belonging to the state railways.

RAILWAY, ETC.—Portugal.—Frederico Pereira Palka has been granted a 99-year concession for a narrow gage railway from Torre de Eita to Espino and a branch from Severdo Vouga to Aveiro Station. The Companhia Elvense de Mogens a Vapor has been awarded the contract for the electric lighting of Elvas. A narrow-gage railway is to be built between Mirandella and Brazanza.

RAILWAYS.—Mexico.—W. C. Greene, Pres. Greene Consolidated Copper Co., 377 Broadway, New York, owners of mines, etc., at La Cananea, Sonora, Mex., writes us that it will probably be some time before the preliminaries are arranged and work started on the proposed road from La Cananea to the San Marcial coal fields and from there to Topolopa, about 330 kilometers, noted in our issue of Oct. 24.

WATER-WORKS.—Aplao, Peru.—We are informed that Julius A. Arce, C. E., 11 Pizarro St., Arequipa, Peru, has been engaged by the department council to study the matter of water-works for the town of Aplao. The water is to be brought from a spring a distance of about three kilometers from the town. Another plan is to sink deep wells and establish a pumping station. All the materials, etc., will be imported probably from the U. S.

ELECTRIC TRAMWAYS.—Reading, Eng.—E. Nuttall, of Manchester, Eng., has been awarded the contract, at about $420,000, for building electric tramways in Reading. R. W. Blackwell & Co., Ltd., London and New York, bid $425,000 for the construction and about $400,000 for the work, exclusive of points and crossings. Other bids were submitted by Dick, Kerr & Co., Ltd., London; W. Griffiths & Co., Ltd., London; C. Chadwell, Blackburn; Osman & Co., Southampton; A. Faulks, Loughborough; G. Law, Kidderminster; B. Cooke & Co., London; W. Pattinson & Son, Ruskington.

BRIDGE GATES, LOCKS, ETC.—Egypt.—Bids are asked by the Inspector-general of irrigation, Lower Egypt, Cairo, until Jan. 1 for furnishing two upper gates and two lower gates for the Ziftah Barrage works. The quantities are as follows: In each lower gate—Angle irons, 9½ tons; sheeting, 10¼ tons; cast-iron block, 1¼ tons; timber, 2.07 cu. m.; cast-iron in sluice frames, ½ ton. In each upper gate—Angle iron, 7½ tons; sheeting, 8 tons; cast-iron block, 1¼ tons; cast-iron in sluice frames, ½ ton; timber, 1.82 cu. m. All other articles, such as pulleys, sheaves, lifting gear for sluices, guide rollers, handrail and stanchions are to be tendered for a forfait. Price to include delivery at Ziftah Barrage siding and erection at site.

RAILWAY SUPPLIES.—Belgium.—The Belgian Minister of Railways, Posts and Telegraphs has approved a proposal for the purchase of rolling stock for the use of the state lines. About $3,000,000 is to be appropriated for the acquisition of 100 heavy locomotives for heavy freight traffic; 20 express engines similar to those already in use for the haulage of international trains; 35 mixed engines; 180 tenders; 20 of 18,000 liters capacity; 100 of 13,000 liters capacity; and 60 of 9,000 liters capacity. Sets of wheels and pairs of wheels for locomotives, are included in the specification, contracts for which will shortly be placed. Conditions and plans will be available from the Ministre des Chemins-de-fer, Portes, et Telegraphes, 11 rue de Louvain, Brussels, Belgium.

HINTS TO EXPORTERS TO PERU.—The "Berlin South American Outlook" states that the period allowed for filing bids in connection with public works is usually very short in Peru, consequently, foreign firms wishing to participate in such business should have on the spot trusted agents, who are thoroughly posted in regard to prices and conditions of sale, and are duly empowered to act in their names. The customary terms of payment are 90 days sight, or 6 months after date of consignment. It is necessary to scatter catalogues in large quantities. Promptness in filling orders is very essential in Peru, and therefore it is advisable to mark letters "via New York," for about eight days can be saved in this way. In selecting an agent to take charge of a stock of wares or to whom it is desired to give the exclusive right of selling a product, it is important to first ascertain what other firms such person already represents.

RAILWAYS.—South Africa.—Besides the railways being constructed in South Africa, as mentioned in our issue of Oct. 17, the following works are being carried out by Pauline & Co., Ltd., contractors, Cape Town, S. A., and London, Eng., in Southern Rhodesia: Line, 3-ft. 6-in. gage, Buluwayo through Gwelo to the Globe and Phoenix Mine, 150 miles; 3-ft. 6-in. gage, Salisbury to the Globe and Phoenix Mine, 150 miles; 2-ft. gage, Salisbury to the Ayrshire Gold Mine, Lomagondi District, 78 miles; 3-ft. 6-in. gage, Buluwayo to the Gwanda District, Matabeleland, 120 miles; 3-ft. 6-in. gage, from Buluwayo in the direction of the Wankies coal field and Victoria Falls, 160 miles. W. H. Milton, Administrator for Rhodesia, states that, in regard to the last-mentioned line, it is the intention to extend this line through the Wankies coal field to the Victoria Falls, and thence across the Zambesi River, but as the survey has not yet been completed, no contract for the extension has been let.

RAILWAY.—Indo-China, Asia.—The "Revue du Commerce Extérieur," of Paris, reports that the construction of the railway in Yunnan has been authorized. The terms of the agreement between the Governor-General of Indo-China and the contractor are as follows: The contractor is to construct, at his own expense, risk and peril, the line of railway from Lao-Kay to Yunnan-Sen, a distance of about 291 miles. The railway from Haiphong to Lao-Kay, 239 miles, is delivered to the contractor by the Governor-General. The whole line from Haiphong to Yunnan-Sen is conceded for a period of 75 years, to be worked at the expense and risk of the contractor, with division of profits between him and the government of Indo-China. The building capital of the railway and working capital of the entire line amount to $20,000,000. "La Quinzaine Coloniale" says that the utility of the line from Lao-Kay to Yunnan-Sen has been demonstrated, and that it is destined to be the means of an industrial and commercial conquest in Yunnan. The statistics of the transit trade of Tonkin show that Yunnan has a capacity for consumption greatly superior to what has been generally believed, and its agricultural products and live stock can provide the elements of an important traffic. Besides, its immense mineral riches exploited by modern methods will add to the value of the line. This opens a new market for steel and iron, rolling stock, tools, lime, cement and explosives.

PUBLIC WORKS.—South Africa.—A number of important railway schemes for South Africa are reported as under consideration. The Cape Government Rys. are to have their grades and curves reduced on three different lines. A survey has also been made for a 2-ft. gage railway from Cathcart to Bontebok Flats. T. R. Price, Gen. Mgr., Cape Town, C. C. The Imperial government is preparing plans for railway extensions in the new colonies. Work, it is reported, will begin at once on the Natal section of the Natal Cape line to cost about $40,000 a mile. The Congo Free State Administration is preparing to build 868 miles of line from the Haute Fleue region with the Lakes Victoria Nyanza and Tanganyika, etc. A branch railway is proposed from Umtali to the Penhalonga Proprietary mine, Eastern Rhodesia. The city electrical engineer of Capetown, C. C., is preparing to build a new electric plant to cost about $500,000. The council of Maritzburg, Natal, proposes to build an electric plant to cost about $750,000. The Mozambique Co. has granted a concession to Mr. Van Riet for lighting Umfali and Massikessi by electricity—the power to be secured from the Massikessi Falls. Robt. McLaren & Co., of Glasgow, Scotland, have been awarded the contract at about $100,000 for furnishing the water pipe for the Maritzburg water-works. The town council of Johannesburg is considering a scheme to furnish a water supply to the Rand. The Chamber of Mines is interested. It is proposed to improve the Kowie harbor at a cost of $1,250,000. C. W. Methven, Engr. Harbor Works, Port Natal, Natal.

CONTRACT PRICES.

SEWERS.—New York, N.Y.—The department of sewers received the following bids Nov. 13 for the construction of several sewers in the boroughs of Manhattan and Brooklyn:

PAVING.—San Francisco, Cal.—The following contract for repaving a portion of Spear St. with basalt block on a 2-in. cushion of sand on a 6-in. concrete foundation and having joints filled with asphaltic cement, has been let to the City Street Improvement Co.: Grading, per cu. yd., 50 cts.; laying new granite curb in concrete, extending 22 ins. below the top of the curb, per lin. ft., $1.35; redressing and resetting old curb in concrete, extending 22 ins. below top of the curb, per lin. ft., 46 cts.; resetting old curb in concrete, extending 22 ins. below top of curb, per lin. ft., 38 cts.; furnishing and placing concrete for curb foundation in excess of amount within 22 ins. below top of curb, per cu. yd., $6.25; laying basalt block pavement on concrete, per sq. ft., 34⅝ cts.; laying basalt block gutters on concrete, per sq. ft., 33½ cts.; constructing storm water inlets, price of each, $43.—The following contract for basalt block paving in 7th St. has been let to the Union Paving & Contracting Co.: Granite curbing, per lin. ft., $1.25; basalt block gutters, per sq. ft., 35 cts.; basalt block pavement on sand, per sq. ft., 23 cts.

SEWER TUNNEL.—Chicago, Ill.—We are informed that the following bids were received Nov. 16, 1901, for constructing about 8,218 ft. of 16-ft. sewer tunnel: Jos. Hanreddy, 100 Washington St., $68 per lin. ft.; Fitzsimons & Connell, Tutonic Bldg., $75; Nash Bros., 84 La Salle St., $71.90; Griffiths & McDermott, 145 La Salle St., $81.25.

RESERVOIR.—New London, Conn.—We are informed that the following bids were recently received for completing the work on reservoir No. 1, the contract, as noted last week, having been let to the C. H. Eglee Co., of Boston, Mass.: (1) being for Taylor & Tylee; (2) for Geo. M. Atkins & Co.; (3) for C. H. Eglee Co. W. H. Richards, Supt. and Engr.:

	1.	2.	3.
Grubbing, a sq. yd.	$0.10	$0.10	$0.10
Spoil, a cu. yd.	.45	.50	.35
Fill, a cu. yd.	.35	.30	.30
Embankment, a cu. yd.	.45	.45	.40
Masonry, a cu. yd.	7.00	9.00	8.00
Rubble, a cu. yd.	8.00	12.00	6.00
Concrete, a cu. yd.	6.00	6.00	5.75
Excavation, 0 to 8 ft., a cu. yd.	.75	.80	.75
8 to 16 ft., a cu. yd.	1.50	1.50	1.25
Over 16 ft., a cu. yd.	3.50	3.50	3.50
15-in. paving, a sq. yd.	1.35	1.50	1.25
12-in. paving, a sq. yd.	1.35	1.50	1.25
Plastering, a sq. yd.	.25	.25	.25
Castings to set, a ton.	5.00	10.00	5.00

BIDS RECEIVED AT NEW YORK, N. Y., NOV. 13, 1901, FOR SEWER WORK IN TWO BOROUGHS.

For Sewer in 88th St., Brooklyn.

Quantities.		Houlihan & King, 1255 Westchester Ave.	G. F. Maloney, 151 Douglass St.	Dennis Norton, 301 Douglass St.	J. J. Creem, 799 Willoughby St.	J. P. Graham, 85th St. and 22d Ave.	Segretto & Dalton, 151 Douglass St.	H. Hesterberg, 43 Grant St.
24-in. pipe	1,060 lin. ft..	$3.90	$3.65	$2.93	$4.00	$3.85	$3.56	$3.15
18-in. "	2,430 " "	2.80	2.90	1.96	3.00	2.20	2.70	2.50
15-in. "	2,330 " "	1.70	1.90	1.38	1.85	1.43	1.74	1.70
12-in. "	4,395 " "	1.50	1.60	1.15	1.40	1.20	1.32	1.10
Manholes	93 each...	47.50	29.00	31.50	32.00	30.00	35.00	32.00
Receiving basins	25 " ...	100.00	87.00	100.00	90.00	100.00	100.00	90.00
Foundation plank	30 M. ft...	20.00	16.00	16.00	17.00	20.00	22.00	18.00
Sheeting	100 " "	20.00	23.00	16.00	17.00	20.00	18.00	18.00
Total		$30,709	$30,027	$23,560	$29,329	$25,923	$28,405	$25,765

For Sewer in Wadsworth Ave.

Quantities.		B. J. Sullivan, 220 Broadway.	C. W. Collins, 166th St. and Webster Ave.	W. E. Welsh, 665 Lexingtn Ave.	Norton & Dalton, 215 W. 125th St.	New York Sewer Const'n Co., 307 E. 86th St.	W. J. Moore, 170 E. 89th St.	Gleason & Brown, 215 W. 125th St.	W. J. Ford, 17 W. 103d St.
42 × 28-in., Class I.	1,884 lin. ft..	$5.35	$6.00	$6.00	$5.00	$5.49	$10.00	$12.70	$10.00
42 × 28-in. Class II.	150 " "	5.75	7.00	6.00	5.35	5.49	12.00	12.15	10.00
15-in. pipe	2,500 " "	3.00	3.50	3.00	3.25	3.46	6.00	8.70	9.00
12-in. "	250 " "	1.50	2.50	2.00	2.00	1.00	1.00	2.00	.50
Receiving basins	10 each...	140.00	150.00	150.00	150.00	145.00	300.00	150.00	180.00
Foundation plank	8 M. ft...	30.00	25.00	.01	20.00	15.00	....	.01	....
Sheet piling	2 " "	25.00	25.00	.01	20.00	.01	....	.01	....
Rock excavation	8,000 cu. yds.	2.40	3.00	3.00	3.00	3.00	....	.01	....
Total		$41,206	$47,479	$45,704	$43,047	$45,486	$38,890	$49,509	$44,765

For Sewer in Broadway, Nagle Ave. and 181st St.

Quantities.		B. J. Sullivan.	A. C. Gildersleeve.	Norton & Dalton.	New York Sewer Con. Co.	C. W. Collins.	W. J. Moore.	W. E. Welsh.
48 × 32-in., Class I.	557 lin. ft..	$6.25	$7.00	$6.50	$5.85	$6.00	$7.00	$6.20
48 × 32-in., " II.	2,812 " "	6.70	7.50	6.80	5.85	7.00	7.00	6.20
48 × 32-in., " III.	200 " "	7.90	8.00	8.00	6.90	8.00	8.00	6.20
42 × 28-in., " IV.	36 " "	5.65	6.00	6.30	5.85	5.00	8.00	6.20
15-in. pipe	522 " "	3.85	3.50	4.00	3.75	3.00	4.00	3.00
12-in. "	50 " "	1.50	1.00	2.00	1.00	2.50	....	2.00
Receiving basins	5 each...	140.00	100.00	150.00	150.00	150.00	....	150.00
Sheet piling	10 M. ft...	25.00	....	20.00	25.00	20.00	....	.01
Foundation plank	5 " "	30.00	....	20.00	17.00	20.00	....	.01
Rock	1,700 cu. yds.	2.40	2.50	3.00	3.00	3.00	....	.01
Total		$31,370	$33,432	$32,986	$29,482	$32,647	$29,559	$24,784

For Sewer in 139th St.—J. J. McQuade, 1289 Lexington Ave.: 42 × 28-in., $15 a lin. ft.; 15-in. pipe, $6.50; 12-in. pipe, $1.00; receiving basins, $175; total, $4,997.

For Sewer in Waterbury St., Etc., Brooklyn.—J. J. Creem, 799 Wiloughby st (lowest bidder): 18-in. pipe, $2.60 a lin. ft.; 12-in. pipe, $1.25; manholes, $32 each; receiving basins, $100; lumber, $17 a M. ft.; total, $3,898.

For Sewer in Bay Ridge Ave., Brooklyn.—Dennis Norton, 301 Douglass St. (lowest bidder), 24-in. pipe, $2.90 a lin. ft.; 18-in. pipe, $2; 15-in. pipe, $1.40; manholes, $33.00 each; receiving basins, $90; lumber, $20 a M. ft.; total, $6,041.

For Sewer in Twelfth Ave., Brooklyn.—Murphy Bros., Bath Beach, L. I. (lowest bidder): 18-in. pipe, $2 a lin. ft.; 15-in. pipe, $1.49; 12-in. pipe, $1.23; manholes, $28 each; receiving basins, $90; foundation plank, $19 a M. ft.; sheeting, $19; concrete, $5 a cu. yd.; total, $3,097.

JETTIES AND DREDGING.—Boston, Mass.—We are informed that the board of harbor and land commissioners, State House, received the following bids Nov. 14, 1901, for jetties and dredging: (1) bid of Geo. H. Cavanagh, 166 Devonshire St., Boston; (2) W. L. Miller and W. H. Ellis, 17 Milk St., Boston; (3) A. Bellevue & Co., 2 Condor St., East Boston (awarded contract); (4) Harris & Letteney Co., 1014 Tremont Bldg., Boston:

		1.	2.	3.	4.
Jetties, a lin ft.	1,000 ft.	$6.90	$4.75	$4.64	$4.70
" "	780 "	7.56	5.00	4.70	5.40
" "	540 "	8.00	5.25	5.56	6.25
" "	380 "	9.00	5.00	5.24	5.40
" "	600 "	8.16	5.00	5.43	5.55
Outer ends of jetties		200.00	200.00	75.00	110.00
Dredging channel		4,000	3,950	3,600	3,700
Total		$29,833	$20,735	$20,308	$21,589

PAINT.—St. Paul, Minn.—The St. Paul White Lead & Paint Co. has been awarded the contract at 66 cts. and 69 cts. a gallon for paint for the high bridge.

GATE VALVES.—Kansas City, Mo.—H. B. Walker, Secy. Bd. Pub. Wks., writes us that the following bids were received Oct. 25, 1901, for furnishing gate valves, etc.: (1) is bid of U. S. Water & Steam Supply Co., Kansas City, who bid on Ludlow valves; (2) Rensselaer Mfg. Co., Troy, N.Y.; (3) Michigan Brass Works, Detroit, Mich.; (4) English Supply & Engine Co., Kansas City, (Chapman valves):

		1.	2.	3.	4.
30-in. valves	2 each...	$450	$490	$493	$652
36-in. "	2 " ...	640	632	760	828
42-in. "	1.....	485	465	505	730
Total		$1,575	$1,587	$1,758	$2,210

BRICK PAVING.—Wellsville, O.—The following bids were recived Nov. 8, 1901, for brick paving in Clark Ave.: H. S. Rinehart, East Liverpool, $1.30 per sq.yd.(accepted); Rosser & Maloney, Bellaire, $1.45; Brown & Coats, Rochester, Pa., $1.40; Adams Bros., Zanesville, $1.35; S. A. Freshwater, Penrith, W. Va., $1.32; A. G. Pugh, Columbus, $1.35.

INDUSTRIAL NOTES.

THE STANDARD PNEUMATIC TOOL CO. has removed its general offices from Marquette Building, Chicago, to its works, Aurora, Ill.

THE NATIONAL TUBE CO., Pittsburg, shipped last month 2,178 tons of iron pipe to Eastern ports, an increase of about 25% over the exports in September.

THE WHEELER CONDENSER & ENGINEERING CO., 120 Liberty St., New York, has the contract from the Urban District Council of Erith, Kent, England, for furnishing the condensing plant, to be installed in the local electrical plant.

THE FILER & STOWELL CO., Milwaukee, builders of Corliss engines and other heavy machinery, is erecting an addition to its machine shop. The new portion is 290 × 100 ft., of steel frame construction, with concrete foundation walls and pedestals.

THE SAMPSON HARRELL NUT LOCK CO., Waycross, Ga., has begun operations with W. W. Ansley as general manager. The company is manufacturing a nut lock invented by Sampson Harrell, which is claimed to be superior to any heretofore made.

FRANK BROS., 66 Broad St., New York, announce the addition to their business of a domestic department for the sale and purchase of new and second-hand machinery, railway supplies, electric equipment, etc. This will be in charge of R. B. Corbett, formerly with Thompson, Son & Co., 107 Liberty St., New York.

F. M. HICKS, of the Hicks Locomotive & Car Works, 225 Dearborn St., Chicago, has just contracted with James T. Wright, Pres. Macon, Dublin & Savannah R. R., for an official car, to have capacity for eight people, observation ends, Session's steel platforms, a 15-ft. dining-room, Baker heater, and to be upholstered in old gold plush.

THE AMERICAN BRIDGE CO., New York, is about to make shipment from its Pencoyd plant of about 500 tons of structural material to Sydney, New South Wales. About 250 tons of bridge material has just been sent to the same port. The company is reported to have secured contracts for 20 steel bridges, costing about $1,000,000, for the Uganda R. R. in East Africa.

THE HILL MACHINE CO., 604 Jackson St., Anderson, Ind., reports another large order for pumping machinery for Isaac Braithwaite & Son, Kendal, England, to which firm the company has been selling pumps for several years. Other recent orders include an electric motor driven power deep-well pump for a business block in Indianapolis; a large steam pump for the rolling mill at Hartford City, Ind., and pumps of various kinds for St. Louis, Pittsburg, Minneapolis and points in Oklahoma, Nebraska, Indiana, Missouri and Wisconsin. The company has installed at Anderson, Ind., several of its new noiseless house pumps to be driven by electric motors, gas and gasoline engines.

THE ELECTROGRAPH CO. OF AMERICA, Rose Bldg., Cleveland, has been incorporated in Delaware with a capital stock of $1,000,000, to manufacture machines for the transmission of photographs and fac-simile writings by telegraph. This is said to be the invention of H. R. Palmer, a Case school electrical engineer, and the apparatus will be manufactured by the Semi-Steel Co. The reports state that the machines will cost $125 each and will be leased instead of sold. F. B. Squire, Vice-Pres. Standard Oil Co., is the president of the new corporation, and E. H. Bourne, of the Union National Bank, and W. H. K. Rose are among the directors, all parties mentioned being resident of Cleveland.

THE FORE RIVER SHIP & ENGINE CO., Quincy, Mass., has a contract from the ordnance bureau of the Navy Department for 60 sets of nickel steel forgings for 3-in. rapid-fire field guns, and 15 sets of steel forgings for 4-in. 40-caliber rapid-fire guns; delivery to commence in 50 days and be completed in 150 days. The Boston "Herald" says: "Gun making in Massachusetts is thus resumed after an interval of about 15 years, the last big gun being cast at the South Boston Iron Works in 1885. Steel for the new rifles has hitherto been worked into shape at the great forges of Bethlehem and Midvale, but the Fore River forge is now equipped with one of the three largest steam hammers in the country and can compete with Pennsylvania in this manufacture."

THE LEHIGH PORTLAND CEMENT PLANT, at Mitchell, Ind., is now under construction. The corner stone was laid Nov. 4 with unusual ceremony. The plant will have a daily capacity of 2,200 bbls. Reports state that it will cost over $500,000 and require nine months to erect the buildings, which will be as follows: Cement storage house, 550 × 112 ft.; stone grinding mill, 100 × 100 ft.; kiln building, 195 × 125 ft.; clinker grinding room, 150 × 170 ft.; engine room, 80 × 130 ft.; boiler house, 100 × 50 ft.; coal grinding house, 165 × 100 ft. The power necessary to operate the mill will require two 750 and two 150-HP. engines; boiler capacity, 1,500 HP. Allentown, Pa., capitalists are interested in the plant. Pres., H. C. Trexler; Vice-Pres., George Ormrod.; Supt., C. A. Matchman.

NEW COMPANIES.—Standard Rotary Motor Co., New York, N. Y.: $1,000,000; John E. McLean, 460 Manhattan Ave.; M. J. Strauss, 79 East 79th St.; Robert W. Hawkesworth, Orange, N. J.

Naething-Leslie Tiling Co., New York, N. Y.; $25,000; C. F. Naething, W. W. Foster, New York; B. P. Leslie, Brooklyn.

Inter-Ocean Electric Construction Co., Corporation Trust Co., 15 Exchange Place, Jersey City, N. J.; $3,000; John C. Rowe, Edward G. Pringle, K. K. McLaren.

Nevada Oil & Asphalt Co., Huron, S. Dak.; $250,000; William J. Lees, A. C. Young, Philip Lawrence.

The Asbestolith Co., New York, N. Y.; $200,000; building materials; S. F. Street, H. A. Post, Francis Dannbacher.

Perseverance Construction Co., New York, N. Y.; $100,000; E. H. Potter, W. S. Lawn, New York; P. R. Herrington, Newark, N. J.

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